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Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `https://www.math.utah.edu/~beebe/`

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$(L, M, N)$ [3975]. $(\nu, \mu, s, 1-\sigma)$ [3022]. $-1$ [1754]. 0 [1255]. 1 [812, 955, 1192, 1359, 1558, 1641, 1795, 1858, 2679, 2734, 3303]. $1_\sigma$ [3827]. 2 [177, 316, 384, 486, 593, 600, 658, 742, 769, 823, 865, 1174, 1260, 1276, 1306, 1310, 1658, 1748, 1779, 2002, 2252, 2608, 2610, 2624, 2671]. 3 [248, 263, 336, 384, 403, 530, 600, 646, 869, 1002, 1006, 1021, 1061, 1078, 1236, 1276, 1310, 1339, 1579, 1737, 1779, 1780, 1838, 1888, 2107, 2556, 2608, 2773, 2782, 3394, 3461, 3506]. 4 [2002]. 5 [1629]. 7 [982]. $_k$ [2528]. $_p$ [1628]. $_\sigma$ [3508]. $A$ [276, 480, 629, 2794, 3954]. $A^{-1}$ [629]. $\alpha$ [2767, 3145, 3594, 3677, 3795, 3868]. $A\underline{x} = \underline{b}$ [276]. $Ax = b$ [228]. $B$ [1612, 1776]. $\beta$ [3049]. $C$ [1612, 1776]. $C^0$ [440, 1161, 1273, 1639, 1729, 1974, 2013, 3086, 3283]. $C^1$ [3749]. $C_\infty$ [578]. $D$ [737, 1400, 2024, 2657]. $\Delta \cdot B$ [582]. $\mathrm{Div}(Y) = f$ [571]. $\ell^2$ [2316]. $\ell^q$ [2316]. $\ell_0$ [2353, 3573, 3928]. $\ell_1$ [1190, 1318, 1583, 2039, 2740]. $\ell_1/\ell_2$ [4067]. $\ell_2$ [1190, 1628]. $\ell_p$ [2990]. $\epsilon$ [104, 247]. $\mathrm{EQ}_1^{\mathrm{rot}}$ [1195, 1739]. $f$ [948]. $F_j(x)$ [278, 283]. $f \in L^2$ [571]. $fp$ [790]. $G^1$ [1373]. $H$ [473, 1194, 1213, 1491, 1733, 1951, 1999, 2064, 2253, 2531, 2562]. $H(\mathrm{curl})$ [3703].

$H(\mathrm{div})$ [3374]. $h/p$ [2205]. $H^{-1}$ [2955, 3580]. $H^1$ [456, 1573, 2267, 3508, 3602, 4049]. $H^{1/2}$ [631]. $H^2$ [742, 1355, 2909]. $H^\infty$ [116]. $H_N^T$ [3007]. $hp$ [301, 307, 344, 447, 500, 547, 608, 757, 894, 896, 971, 1155, 1470, 1988, 3083, 3106, 3183]. $j = -1/2$ [278]. $j = -3/2$ [283]. $j = 1/2$ [278]. $K$ [1147, 2223, 2348, 2751, 3310, 3978]. $L$ [3649, 3905]. $L1$ [3824]. $L2$ [3827]. $L2 - 1_\sigma$ [3145]. $L^1$ [716, 1782, 2292]. $L^{1-2}$ [3805]. $L^2$ [456, 812, 1915, 2288, 3030, 3875, 3878]. $L^\infty$ [571]. $L^\infty(H^1)$ [3145]. $L^p$ [1683, 2622]. $l_0$ [1121]. $L_1$ [1426, 1669, 1685, 1986, 1990, 2077, 2094, 2494, 2929, 3298, 3543]. $L_{1/2}$ [1595]. $L_1/L_2$ [3976]. $L_1/L_2$ [3813]. $L_2$ [31, 736, 1426, 1986, 2072, 3298, 3543]. $L_\infty$ [736]. $L_k$ [3320]. $M$ [110, 2660, 3779, 3847]. $M_1$ [625]. $M_2$ [1793]. $\mathbf{R}^2$ [2667]. $\mathbf{H^1}$ [2917]. $\mathbf{L^2}(\mathbf{\Gamma})$ [3147]. $\mathcal{H}$ [1476, 2302]. $\mathcal{L}_\in$ [998]. $\mathcal{M}$ [1653, 1970, 2171]. $\mathcal{O}(\mathcal{N}\log\mathcal{N})$ [1218]. $N$ [199, 621, 1611, 2584, 3375]. $n^+$-$n$-$n^+$ [1284]. $O$ [2348]. $o(1/k)$ [1818]. $O(2)$ [1048]. $p$ [295, 547, 640, 673, 808, 1049, 1491, 1893, 1895, 1999, 2029, 2147, 2253, 2273, 2304, 2420, 2531, 3072, 3106, 3370, 3816, 3826, 3916]. $p(x)$ [1490]. $P_1$ [1064, 1165, 1371, 1659, 2862]. $P_N$ [976]. $P_N P_M$ [1107, 1329, 2778]. $Q$ [3385, 4015]. $Q_1$ [2862, 3792]. $Q_4$ [181]. $qd$ [2080]. $R^2$ [978]. $R^n$ [998]. $S$ [3779]. $S_N$ [3292]. $\mathrm{SC}^1$ [3991]. $SO(3)$ [2024, 3856]. $T$ [3271, 3939]. $\tau$ [1202, 3898]. $\theta$ [576, 3905]. $V$ [1997]. $\varepsilon^{-1}$ [4042]. $\vec{H}$ [2776]. $W$ [3904]. $W^{-1,p'}$ [3816]. $x^{(k)} = b^{(k)}$ [629]. $Z$ [2497]. $Z_2$ [933].

**-Abel** [4015]. **-Adaptive** [473, 1194, 1733, 1893, 1951, 2147, 2562, 3106, 3370]. **-Adaptivity** [307]. **-Analysis** [344]. **-Anisotropic** [2273]. **-Based** [3976]. **-Block** [2107]. **-body** [2584]. **-Conforming** [2776, 3703, 3749]. **-Consistency** [1612, 1776]. **-Continuous** [1974]. **-Control** [3805]. **-Coupled** [3375]. **-CPR** [1329]. **-cycle** [1997]. **-D** [336, 600, 1006, 1061, 1078, 1339, 2671, 2773, 3303, 3394, 3461]. **-D/** [600]. **-dimensional** [1611]. **-Dimensions** [621]. **-Discontinuous** [301, 896, 3183]. **-Dissipative** [3795]. **-elements** [3374]. **-Estimation** [1202]. **-Expansion** [104, 247]. **-FEM** [971, 2064]. **-Finite** [757, 1412, 1470]. **-Fitting** [716]. **-Laplacian** [295, 640, 1049, 1490, 2304, 2420, 3072]. **-Like** [3878]. **-local** [894]. **-Matrices** [2302, 3847]. **-Matrix** [1476, 2024, 2660]. **-Means** [2223, 3310]. **-Methods** [3904]. **-Multigrid** [790, 3370]. **-Nearest** [3978]. **-Nonconforming** [1064, 1161]. **-Norm** [1573, 1583, 1685, 2622, 2990]. **-Optimality** [812]. **-Order** [673]. **-Partition** [2751]. **-Preconditioner** [3898]. **-Preserving** [3856]. **-Product** [3939]. **-Rectangular** [2657]. **-Refinement** [1213, 1895]. **-Regularized** [1318]. **-Robust** [2767, 3049, 3145, 3594, 3677, 3868]. **-Scheme** [576]. **-Shock** [3106]. **-Spectral** [2029]. **-Stability** [742, 1355, 1612, 1776, 3508]. **-Stable** [480, 571, 3954]. **-Stage** [982]. **-System** [3916]. **-tensor** [1970, 3385]. **-Tensors** [1653, 2171]. **-Type** [2080, 2497, 3649]. **-URV** [3271]. **-variable** [110]. **-Version** [500, 608, 808, 1155]. **-Versions** [2253]. **-Wave** [948, 1629]. **-Weak** [1273].

**/3** [1400].

**0rder** [2391].

**1** [439, 520, 3508]. **1992-2002** [375]. **1D** [3066].

**2** [1400]. **2D**
[2106, 2134, 2319, 3068, 3132, 3186, 3274, 3518, 3538, 3767, 3866, 3869, 3932].
**2D/3D** [3068]. **2nd** [3303]. **2nd-MGFM** [3303].

**3D** [1557, 2230, 2389, 2529, 3004, 3022, 3068, 3109, 3175, 3282, 3801, 3854, 3900, 4039].

**4-Point** [3199]. **40/40** [2348]. **40Sedimentation** [2719]. **4D** [3161]. **4th** [1937, 3453].

**5** [182].

**6000** [152]. **60th** [2231].

**90** [182].

**A-Posteriori** [778]. **AAA** [3118]. **Abarbanel** [2488, 2489]. **Abel** [4015]. **Absolute** [1302]. **Absolutely** [3848]. **Absorbing** [339, 1446, 2066]. **Abstract** [3296]. **AC** [2519]. **Accelerated**
[286, 1124, 1190, 1369, 1476, 1704, 1838, 2348, 2431, 2950, 2999, 3016, 3036, 3341, 3483, 3499, 3573, 3608, 3659, 3674, 4046]. **Accelerating** [200, 1199, 1538, 2996]. **Acceleration**
[259, 2357, 2519, 2768, 2773, 2888, 3012, 3550, 3574, 3626, 3760, 3793, 3849]. **Acceptance** [1025]. **According** [3889]. **Accumulation** [2904]. **Accuracy**
[24, 69, 174, 429, 502, 508, 565, 718, 735, 831, 882, 883, 887, 1015, 1017, 1043, 1046, 1060, 1071, 1079, 1103, 1184, 1254, 1332, 1368, 1453, 1456, 1509, 1562, 1581, 1622, 1688, 1753, 1817, 1940, 2080, 2090, 2201, 2288, 2491, 2533, 2601, 2631, 2667, 2757, 3024, 3302, 3318, 3455, 3500, 3568, 3617, 3644, 3964, 3977, 3982].
**Accuracy-Conserving** [735, 1079, 1254, 1453, 1581, 1940, 2491].
**Accuracy-Enhancement** [3302]. **Accuracy-Preserving** [3568]. **Accurate**
[209, 238, 419, 487, 519, 544, 598, 662, 681, 744, 817, 890, 1027, 1044, 1082, 1316, 1457, 1492, 1503, 1719, 1750, 1778, 1799, 1801, 1822, 1841, 1843, 1890, 1965, 2173, 2314, 2492, 2504, 2541, 2542, 2559, 2570, 2578, 2628, 2660, 2679, 2769, 2860, 2893, 2911, 2976, 3234, 3325, 3393, 3512, 3657, 3712, 3754, 3799, 3829, 3868, 3901, 3918, 3936, 3954, 3961, 4015, 4048]. **Acoustic**
[1321, 1784, 1965, 2004, 2054, 2140, 2254, 2319, 2655, 3621, 3687, 3982].
**Acoustics** [508]. **Across** [1965, 2510]. **Acting** [2979]. **Actions** [3721].
**Active** [1349, 1897, 2432, 2732, 2740, 2759, 3367, 3430, 3637, 3763, 3797].

**Active-Set** [2740, 3637]. **Actively** [284, 644]. **AD** [1239]. **Adams** [738]. **Adaptation** [610, 1348, 1415, 1650, 2194, 3332, 3486]. **Adapted** [638, 3214]. **Adapting** [3533]. **Adaptive** [190, 206, 221, 282, 329, 411, 464, 473, 505, 510, 530, 536, 564, 609, 613, 615, 675, 763, 792, 793, 837, 913, 976, 1014, 1031, 1088, 1141, 1151, 1159, 1165, 1216, 1230, 1293, 1317, 1413, 1424, 1481, 1520, 1580, 1599, 1635, 1659, 1730, 1736, 1766, 1876, 1881, 1883, 1890, 1893, 1915, 1933, 1958, 1998, 2011, 2025, 2034, 2044, 2050, 2071, 2082, 2117, 2147, 2236, 2239, 2276, 2296, 2441, 2539, 2558, 2584, 2682, 2684, 2689, 2690, 2704, 2772, 2790, 2791, 2825, 2890, 2921, 2982, 3050, 3106, 3153, 3193, 3200, 3348, 3357, 3397, 3424, 3430, 3479, 3565, 3604, 3671, 3684, 3697, 3718, 3746, 3881, 4006, 4039]. **Adaptive** [105, 134, 277, 309, 407, 470, 823, 827, 1136, 1146, 1186, 1194, 1258, 1267, 1357, 1384, 1543, 1705, 1733, 1891, 1951, 2174, 2200, 2300, 2327, 2346, 2404, 2422, 2469, 2500, 2562, 2586, 2613, 2745, 2807, 2864, 2986, 2997, 2999, 3074, 3092, 3105, 3202, 3210, 3220, 3286, 3289, 3370, 3413, 3494, 3550, 3607, 3668, 3702, 3735, 4036, 4060]. **Adaptivity** [307, 933, 1048, 1050, 1308, 2256, 2340, 3017, 3344, 3970]. **ADCIRC** [1062]. **Additive** [139, 208, 749, 916, 1057, 1187, 1542, 1614, 1760, 1977, 1994, 2426, 2781, 2999, 4033]. **ADER** [316, 348, 471, 946, 1525, 2432, 2823, 2850, 3057, 3494, 3892]. **ADER-DG** [3057]. **ADG** [1743]. **adhesion** [150]. **ADI** [21, 212, 213, 1260, 1387, 1512, 1726, 1863, 2802, 3340, 3903]. **Adini** [1734]. **Adjoint** [635, 1924, 2104, 2730, 2779, 2948, 3435]. **Adjoint-Based** [1924, 2104]. **Adjustable** [3662]. **Admissibility** [3812]. **Admissible** [2714, 3836]. **ADMM** [1564, 1684, 1807, 1818, 1985, 2107, 2117, 2258, 2888, 3436, 3683, 3885]. **Advanced** [146]. **Advancement** [426]. **Advances** [122, 540, 1076]. **Advantage** [957]. **Advection** [52, 140, 190, 196, 255, 296, 324, 495, 561, 591, 627, 705, 740, 830, 875, 893, 946, 1040, 1147, 1210, 1282, 1283, 1425, 1603, 1604, 1747, 1777, 1858, 1866, 1899, 1942, 2026, 2081, 2108, 2163, 2207, 2232, 2282, 2583, 2786, 2822, 2855, 3010, 3102, 3300, 3322, 3381, 3412, 3490, 3546, 3604, 3763, 3867, 3919, 4037]. **advection-diffusion** [52, 190]. **Advection-Dominant** [2822]. **Advection-Robust** [2232]. **Advective** [810]. **Adversarial** [4004]. **aeroautoelastics** [91]. **Aerodynamic** [42]. **Aerodynamics** [318, 490]. **Aeronautical** [574]. **Affine** [210, 1649, 2365]. **Ag** [886]. **agent** [3595]. **Aggregation** [3765, 3836]. **Aggregation-Based** [3765]. **AI** [4025]. **AI-Aided** [4025]. **Aided** [3595, 4003, 4025]. **Airfoil** [181, 722]. **ALE** [1403, 2903, 3051, 3756, 4019]. **Alfvén** [3937]. **Algebraic** [112, 181, 532, 1246, 1419, 1488, 2306, 2614, 2660, 2681, 3127, 3265, 3640, 3837, 3873]. **algebraic-** [181]. **algebraic-Q4** [112]. **Algorithm** [241, 283, 313, 337, 374, 553, 684, 722, 785, 807, 853, 884, 1060, 1092, 1121, 1178, 1184, 1199, 1223, 1257, 1277, 1338, 1341, 1422, 1430, 1454, 1478, 1538, 1580, 1583, 1595, 1598, 1649, 1727, 1731, 1742, 1807, 1913, 1923, 1964, 1989, 2017, 2027, 2044, 2053, 2084, 2090, 2136, 2171, 2182, 2225, 2333, 2351, 2388, 2391, 2427, 2479, 2605, 2665, 2717, 2740, 2750, 2824, 2840, 2852, 2862, 2884, 2885, 2894, 2898, 2922, 2968, 3003, 3093, 3100, 3143, 3177, 3221, 3271, 3284, 3318, 3359, 3399, 3447, 3527, 3548, 3555, 3580, 3588, 3601, 3608, 3683, 3734, 3737, 3780, 3795, 3822, 3841,

3928, 3935, 3955, 3961, 3988, 4004, 4006, 4023, 4035, 4039, 4063]. **Algorithm** [20, 52, 114, 119, 136, 148, 150, 201, 892, 1318, 1482, 1872, 2079, 2091, 2170, 2223, 2310, 2575, 2806, 2905, 3587, 3673, 3727, 3776, 3835, 3890, 3940, 3969, 3975, 4025, 4066]. **Algorithmic** [1707, 2187, 2302]. **Algorithms** [46, 97, 126, 190, 320, 359, 460, 512, 638, 640, 699, 826, 914, 1126, 1171, 1200, 1375, 1489, 1496, 1516, 1562, 1577, 1642, 1781, 1820, 1842, 1864, 1868, 1873, 1997, 2116, 2156, 2270, 2281, 2389, 2409, 2645, 2676, 2685, 2761, 2807, 2834, 2883, 2939, 2964, 2970, 3216, 3237, 3393, 3417, 3502, 3515, 3524, 3573, 3595, 3612, 3633, 3682, 3772, 3847, 3855, 3949, 4012, 4046]. **Aliasing** [195, 2081, 3167]. **Aligned** [2021]. **Alignment** [2803]. **Alikhanov** [2729, 3145]. **All-at-Once** [2609, 2867]. **All-Speed** [3503]. **Allen** [464, 1892, 2347, 2406, 2426, 2439, 2726, 2770, 2781, 2797, 2829, 3013, 3056, 3081, 3115, 3145, 3151, 3197, 3247, 3275, 3409, 3520, 3579, 3589, 3641, 3827, 3984, 4016]. **Allowing** [2882, 3688]. **Alloys** [1396]. **ALM** [1564]. **Along** [398, 1090, 1156, 2806, 3931]. **ALORA** [2365]. **Also** [666]. **Alternate** [1421]. **Alternating** [1022, 1307, 1387, 1510, 1549, 1551, 1568, 1648, 1702, 1875, 2124, 2322, 2333, 2348, 2524, 3065, 3395, 3700, 3870, 3890, 3973, 4018, 4024, 4035]. **Alternative** [138, 1539, 2295, 2307, 2866, 3005, 3391, 3957, 3964]. **Aluminum** [840]. **Ambiguity** [3388]. **American** [654, 852, 1242, 2096, 2572, 3676]. **AMG** [3674]. **Among** [898]. **Ampère** [929, 1114, 1716, 2175, 2181, 2328, 2329, 2405, 2530, 3506, 3656, 3914, 3947, 4010]. **Amplitude** [3316]. **AMR** [357, 2335]. **Analogy** [147]. **Analyses** [1649, 1728, 3248, 3679]. **Analysis** [234, 242, 303, 322, 423, 520, 636, 649, 660, 773, 856, 858, 871, 880, 929, 966, 974, 1026, 1074, 1075, 1078, 1107, 1113, 1152, 1251, 1286, 1351, 1401, 1411, 1421, 1476, 1514, 1521, 1576, 1631, 1643, 1657, 1664, 1698, 1772, 1802, 1875, 1892, 1928, 2036, 2048, 2178, 2187, 2245, 2247, 2248, 2290, 2313, 2436, 2442, 2443, 2462, 2470, 2494, 2567, 2572, 2601, 2629, 2651, 2712, 2725, 2726, 2836, 2895, 2918, 2948, 2953, 3028, 3034, 3037, 3049, 3066, 3125, 3137, 3150, 3215, 3232, 3236, 3339, 3554, 3564, 3630, 3690, 3694, 3710, 3729, 3736, 3739, 3769, 3793, 3841, 3889, 3921, 3966, 3971, 4007, 4043]. **Analysis** [247, 261, 266, 306, 309, 344, 434, 455, 467, 503, 568, 593, 608, 637, 891, 915, 1278, 1303, 1407, 1417, 1422, 1428, 1540, 1548, 1591, 1606, 1626, 1630, 1684, 1699, 1706, 1739, 1749, 1759, 1879, 1887, 1934, 1945, 1975, 1980, 1994, 2026, 2051, 2075, 2097, 2114, 2160, 2308, 2326, 2344, 2348, 2401, 2418, 2420, 2471, 2476, 2477, 2554, 2565, 2590, 2635, 2691, 2721, 2727, 2738, 2910, 2911, 2924, 2981, 2987, 2990, 3052, 3069, 3097, 3119, 3144, 3156, 3162, 3170, 3299, 3315, 3405, 3421, 3425, 3428, 3431, 3466, 3501, 3509, 3521, 3522, 3547, 3583, 3608, 3657, 3677, 3683, 3748, 3778, 3872, 3875, 3880, 3977, 4013, 4034, 4042, 4057, 4058, 4069]. **Analysis** [2, 12, 15, 27, 28, 38, 113, 138, 147, 154, 161, 176, 500, 852, 971, 1067, 1070, 1091, 1260, 1334, 1372, 1489, 1511, 1532, 1596, 1598, 1601, 1681, 1717, 1743, 1810, 1971, 2079, 2188, 2218, 2303, 2416, 2419, 2481, 2511, 2641, 2652, 2674, 2692, 2765, 2793, 2808, 2817, 2887, 2974, 3151, 3158, 3159, 3206, 3225, 3322, 3362, 3389, 3511, 3530, 3589, 3614, 3772, 3836, 3857, 3861, 3862, 3907, 3925, 3932, 3934]. **Analytic** [3619, 3736]. **Analytical** [10, 110, 278, 1397, 2607]. **Analyzing** [2780, 3896]. **Anchoring** [2520]. **and/or** [3084]. **Anderson** [2888, 3550, 3574, 3760, 3793].

**Anelastic** [1139]. **Angle** [806, 3774, 3922]. **Angular** [1361]. **Anisotropic** [23, 496, 543, 599, 834, 881, 1057, 1145, 1195, 1434, 1507, 1696, 1747, 2044, 2106, 2273, 2412, 2556, 2678, 2862, 2911, 3004, 3050, 3099, 3135, 3315, 3331, 3424, 3486, 3567, 3844, 3882, 3905, 3923]. **Anisotropy** [1331, 2944]. **annealing** [131]. **Annihilation** [1589, 3647]. **announcement** [5, 11, 189]. **Annular** [1513, 1557]. **Anomalous** [2621]. **ANOVA** [1694, 3735]. **Ansatz** [3527]. **Anti** [591]. **Anti-Dissipative** [591]. **Antidiffusive** [417]. **Any** [1192, 1240, 1822, 3470, 3630]. **Any-Order** [3470]. **AO** [3642]. **Apertures** [2694]. **Appearance** [1231]. **Application** [26, 28, 77, 118, 208, 229, 274, 309, 318, 345, 349, 378, 408, 416, 431, 591, 624, 672, 677, 688, 692, 705, 719, 758, 781, 999, 1028, 1041, 1160, 1254, 1361, 1470, 1499, 1516, 1524, 1552, 1626, 1693, 1700, 1722, 1793, 1904, 1934, 1974, 2002, 2016, 2081, 2127, 2173, 2269, 2313, 2392, 2482, 2514, 2565, 2616, 2649, 2713, 2769, 2771, 2825, 2884, 3001, 3038, 3079, 3129, 3186, 3316, 3344, 3407, 3488, 3716, 3743, 3752, 3774, 3793, 3822, 3849, 3960, 4035, 4063]. **Applications** [51, 122, 141, 150, 214, 233, 265, 298, 418, 484, 485, 568, 632, 737, 833, 835, 879, 1083, 1149, 1153, 1433, 1464, 1644, 1655, 1807, 1810, 1842, 1956, 1962, 1987, 2008, 2020, 2024, 2029, 2035, 2064, 2184, 2233, 2238, 2361, 2422, 2510, 2518, 2534, 2574, 2645, 2774, 2778, 2807, 2902, 2903, 2950, 2972, 3009, 3011, 3014, 3028, 3035, 3058, 3130, 3153, 3160, 3187, 3211, 3229, 3237, 3271, 3284, 3296, 3326, 3377, 3448, 3449, 3456, 3642, 3647, 3660, 3698, 3834, 4049]. **Applied** [143, 174, 442, 445, 545, 660, 1055, 1536, 1590, 1613, 1802, 1852, 2176, 2475, 2888, 3401, 3497]. **Applying** [128]. **Approach** [19, 36, 107, 135, 138, 141, 271, 316, 348, 377, 380, 384, 478, 543, 558, 602, 715, 725, 792, 829, 843, 932, 1061, 1153, 1224, 1237, 1327, 1371, 1379, 1393, 1423, 1432, 1539, 1547, 1721, 1723, 1859, 1896, 2004, 2053, 2122, 2158, 2172, 2278, 2314, 2323, 2339, 2349, 2407, 2438, 2490, 2496, 2544, 2547, 2589, 2599, 2664, 2719, 2730, 2773, 2810, 2858, 2966, 2991, 2996, 3010, 3030, 3109, 3133, 3151, 3161, 3169, 3184, 3215, 3217, 3288, 3409, 3439, 3471, 3570, 3603, 3672, 3811, 3863, 3864, 3905, 4001, 4048, 4065]. **Approaches** [335, 2454, 3160, 3227, 3419, 3956, 3997]. **appropriate** [96]. **Approximants** [1953]. **Approximate** [247, 804, 1216, 1249, 1799, 1857, 2215, 2747, 2881, 2894, 2968, 3042, 3157, 3271, 3904]. **Approximating** [382, 1842, 2988, 3002, 3857, 3941]. **Approximation** [254, 265, 278, 355, 448, 449, 506, 571, 586, 594, 631, 672, 680, 720, 747, 793, 800, 803, 804, 812, 831, 887, 891, 931, 988, 1011, 1068, 1072, 1142, 1149, 1195, 1227, 1285, 1293, 1299, 1316, 1347, 1371, 1470, 1567, 1573, 1642, 1698, 1793, 1805, 1836, 1895, 1902, 1917, 1961, 2033, 2036, 2038, 2090, 2099, 2112, 2146, 2187, 2191, 2195, 2222, 2294, 2414, 2436, 2504, 2576, 2636, 2654, 2661, 2739, 2799, 2813, 2927, 2984, 2987, 2990, 3007, 3020, 3080, 3126, 3143, 3196, 3235, 3258, 3283, 3320, 3331, 3333, 3346, 3350, 3366, 3425, 3473, 3501, 3502, 3507, 3578, 3586, 3658, 3916, 3958, 4047]. **Approximation** [23, 51, 67, 93, 95, 138, 151, 171, 190, 396, 547, 759, 801, 824, 1160, 1301, 2114, 2274, 2395, 2419, 2509, 2585, 2600, 2786, 2814, 2873, 2881, 3042, 3147, 3472, 3702, 3902, 3990, 4060]. **Approximation-Based** [2099]. **Approximations** [22, 173, 209, 238, 259, 264, 284, 290, 332, 333, 366, 367, 369, 450, 456, 608, 635,

644, 665, 775, 778, 784, 788, 839, 883, 987, 1038, 1042, 1069, 1084, 1114, 1137, 1153, 1206, 1302, 1451, 1538, 1631, 1735, 1760, 1771, 1811, 1822, 1846, 1856, 1876, 1880, 1924, 1939, 1959, 1972, 1977, 2018, 2024, 2045, 2128, 2188, 2196, 2291, 2306, 2313, 2365, 2375, 2450, 2478, 2511, 2559, 2606, 2648, 2668, 2670, 2849, 2862, 2886, 2975, 3011, 3028, 3061, 3092, 3136, 3155, 3184, 3297, 3323, 3469, 3540, 3611, 3661, 3930]. **Aquifer** [2549]. **Arbitrarily** [3081, 3327, 3408, 3709]. **Arbitrary** [348, 529, 546, 607, 898, 1012, 1238, 1246, 1336, 1525, 1838, 1935, 2122, 2140, 2303, 2397, 2493, 2529, 2623, 2640, 2666, 2708, 2870, 2930, 3026, 3057, 3090, 3124, 3593, 3605, 3734, 3749, 3892]. **Arbitrary-Lagrangian** [1525, 2870]. **Arbitrary-Order** [2397, 2640, 3749]. **Arc** [2898]. **Arc-Search** [2898]. **Arch** [1045]. **Arches** [1264]. **Architecture** [3500]. **Architectures** [1306, 3216]. **Area** [3551, 3913]. **Area-Conserved** [3551]. **Area-Preserving** [3913]. **Areas** [3211]. **Arguments** [1975, 3096]. **Arisen** [1697]. **Arising** [34, 377, 1433, 1507, 1826, 1923, 2132, 2614, 2742, 2868, 3235, 3501, 3524, 3649, 3844]. **Arnoldi** [1199, 3064, 3138]. **Arnoldi-Tikhonov** [3064]. **Arnoldi-Type** [1199]. **Array** [3982, 4017]. **Arrays** [886]. **Arrow** [2943, 3192, 3592]. **Arrow-Hurwicz** [2943, 3192]. **Arterial** [558]. **Artery** [3414]. **Article** [3245]. **Artificial** [227, 289, 419, 433, 590, 764, 1531, 2099, 2160, 2300, 2598, 2649, 2868, 3393, 3426, 3699, 3981, 4029]. **ased** [679]. **Asian** [3758]. **Askey** [546]. **Aspects** [292, 401, 413, 481, 715, 840, 2187]. **Assessment** [24, 963, 3033]. **Asset** [654, 755, 824]. **Assets** [759]. **Assimilation** [19, 1056, 1327, 2240, 2351, 3161, 3387, 3401, 3497, 3681]. **Assisted** [844, 854, 3281]. **Assumptions** [290, 2168]. **Astrophysical** [459, 670, 1123]. **asymmetric** [13, 48]. **Asymptotic** [12, 578, 900, 945, 1305, 1361, 1368, 1492, 1630, 1829, 2284, 2412, 2471, 2549, 2570, 2651, 2783, 2888, 3012, 3208, 3292, 3433, 3537, 3634, 3707, 3772, 3842, 3844, 3879, 3894, 3953]. **Asymptotic-Preserving** [1368, 3208, 3433, 3842]. **Asymptotically** [798, 2112, 2176, 3827, 4054]. **Asymptotics** [64, 402, 697, 1609, 2346]. **Asymptotics-Based** [2346]. **Asynchronous** [128, 2116, 2939]. **asynoptic** [19]. **Atlas** [1005]. **Atmosphere** [1965, 2230, 2351, 2692]. **Atmospheric** [279, 325, 1333]. **Atom** [401, 413, 423]. **Atomic** [674, 745]. **attached** [181]. **Attention** [3443]. **Attenuating** [227]. **Attraction** [1642]. **Augmentation** [2863]. **Augmented** [986, 990, 1032, 1102, 1508, 1514, 1520, 1728, 1731, 1815, 1857, 1937, 2777, 2877, 2881, 3042, 3163, 3260, 3410, 3416, 3585, 3668, 3834, 3860, 3863]. **Authalic** [3913]. **Auto** [309, 2277]. **Auto-Adaptive** [309]. **Autoencoders** [3450]. **Automatic** [307, 2507]. **Automatically** [3492]. **Auxiliary** [492, 1379, 1848, 2599, 2858, 2893, 2932, 3283, 3305, 3328, 3691]. **Average** [2275]. **Averaged** [3824]. **Averaging** [562, 2144]. **AVF** [1521]. **Avoiding** [1917]. **Aware** [2351, 3392, 3986]. **Axially** [2471, 3982]. **Axis** [3285]. **Axisymmetric** [345, 520, 553, 934, 1019, 1028, 1803, 3110, 3648].

**B** [328, 1699, 3921]. **B-Spline** [1699, 3921]. **Babich** [1609]. **Babuska** [1176]. **Back** [1337, 3318]. **Background** [2964]. **Backscattering** [326]. **backtracking** [2430, 4046]. **Backward** [1375, 1698, 1708, 2132, 2223, 2370,

2375, 2567, 2617, 2669, 2833, 2846, 2902, 2952, 3248, 3315, 3429, 3449, 3577]. **Bacterial** [3903]. **Bad** [2260]. **Baer** [884]. **Bakhvalov** [2715, 2851]. **Bakhvalov-Type** [2715, 2851]. **Balance** [939, 952, 1305, 1621, 2557, 2681, 2711, 3167, 3998]. **Balanced** [548, 936, 948, 952, 957, 1033, 1102, 1133, 1179, 1197, 1409, 1558, 1592, 1597, 1621, 1830, 1832, 2460, 2525, 2557, 2632, 2737, 2839, 2851, 2879, 2903, 2930, 2964, 3057, 3248, 3250, 3264, 3289, 3544, 3563, 3681, 3745, 3884, 3920, 3998]. **Balanced-Norm** [3248, 3920]. **Balancing** [201, 2350, 3014, 3131]. **Ball** [3504, 3599, 3633]. **Banach** [2750, 3281, 3564]. **Band** [2529, 2619, 2800, 3044, 3801]. **Banded** [2784]. **Bandwidth** [1822]. **Barotropic** [874, 3707]. **Barrier** [2046]. **Barriers** [314, 2510]. **Barycentric** [2101, 2277, 2664, 3083]. **Barycentric-Based** [3083]. **Barzilai** [1318, 1595, 2922]. **Base** [1559]. **Based** [238, 257, 276, 356, 376, 564, 668, 721, 943, 967, 1120, 1121, 1138, 1224, 1237, 1294, 1302, 1307, 1348, 1364, 1523, 1533, 1552, 1575, 1641, 1691, 1700, 1713, 1746, 1758, 1836, 1861, 1883, 1902, 1913, 1924, 1964, 1972, 1992, 1998, 2028, 2060, 2088, 2090, 2098, 2099, 2127, 2173, 2260, 2335, 2350, 2380, 2389, 2451, 2464, 2480, 2523, 2547, 2591, 2598, 2607, 2689, 2701, 2709, 2713, 2724, 2796, 2810, 2849, 2862, 2863, 2970, 3050, 3054, 3186, 3193, 3217, 3230, 3245, 3250, 3255, 3264, 3281, 3346, 3360, 3368, 3399, 3467, 3486, 3527, 3544, 3570, 3588, 3640, 3655, 3710, 3765, 3800, 3930, 3964, 3971, 3976, 4052]. **Based** [225, 231, 236, 241, 295, 407, 414, 418, 603, 618, 634, 906, 911, 912, 986, 1007, 1008, 1036, 1130, 1178, 1208, 1248, 1289, 1305, 1310, 1426, 1543, 1570, 1571, 1587, 1669, 1685, 1699, 1742, 1834, 1851, 1872, 1984, 2006, 2077, 2104, 2114, 2138, 2153, 2214, 2274, 2280, 2300, 2346, 2363, 2401, 2438, 2461, 2500, 2569, 2599, 2649, 2711, 2730, 2731, 2749, 2815, 2852, 2877, 2908, 2915, 2958, 2981, 2983, 3031, 3083, 3105, 3128, 3143, 3151, 3154, 3243, 3254, 3265, 3353, 3355, 3380, 3439, 3447, 3469, 3471, 3519, 3547, 3566, 3585, 3608, 3633, 3651, 3689, 3731, 3743, 3768, 3801, 3835, 3853, 3863, 3880, 3944, 3990, 3997, 3999, 4019, 4039]. **Based** [132, 218, 671, 732, 823, 892, 951, 970, 999, 1071, 1160, 1185, 1252, 1482, 1678, 1754, 1810, 1956, 2222, 2283, 2340, 2459, 2573, 2755, 2887, 2910, 2963, 2967, 3021, 3202, 3260, 3272, 3298, 3381, 3418, 3431, 3475, 3509, 3779, 3824, 3979, 3998]. **Bases** [998, 3185, 3492, 3557]. **Basic** [2, 2728, 3529]. **Basins** [1642]. **Basis** [125, 153, 244, 333–335, 631, 863, 883, 988, 992, 1010, 1039, 1164, 1263, 1358, 1412, 1416, 1433, 1513, 1518, 1617, 1626, 1694, 1701, 1758, 1767, 1883, 1904, 1933, 1961, 1993, 2016, 2041, 2071, 2092, 2194, 2347, 2452, 2454, 2493, 2539, 2558, 2657, 2785, 2787, 2994, 3107, 3143, 3380, 3440, 3741, 3881]. **Batch** [1306]. **Batteries** [2773]. **Battle** [241]. **Bayesian** [162, 1250, 1289, 1393, 2410, 3131, 3480, 3549, 3620, 3687]. **BBM** [2052, 2476]. **BDDC** [3244]. **BDF** [638, 971, 1535, 1762, 2913, 3149, 3415, 3537, 3602, 3875, 3968]. **BDF2** [1769, 2590, 2615, 3233, 3246, 3344, 3487, 3522, 3729, 3778]. **BDF3** [2985, 2995]. **BDF3/EP3** [2985, 2995]. **Be** [315]. **Beam** [1548, 3149, 3507]. **Beams** [526, 850]. **Beavers** [3021, 3073]. **Bed** [955, 2679]. **Behavior** [129, 160, 264, 331, 745, 1784, 2336]. **Behaviour** [1811, 2783]. **Bell** [578].

**Bellman** [1159, 1561, 1852, 1959, 2693, 2742, 2868, 3235, 3283]. **Bellmann** [591]. **Beltrami** [121, 1004, 1020, 1297, 1405, 1496, 2222, 2248, 2785, 2787, 2961, 3267, 3646, 3659]. **BEM** [1638, 2284, 3274, 3491]. **Bénard** [2240, 2271]. **Benchmarks** [973]. **Bending** [1548, 2126, 2129, 2910, 3988]. **Benjamin** [1868, 2437, 2602, 2812, 3575]. **Bernardo** [2231]. **Bernoulli** [1286, 1287, 2624, 2891]. **Bernstein** [2049, 3239, 3703]. **Bessel** [110, 122, 2035, 3405]. **Better** [315, 4031]. **Between** [183, 1115, 1256, 1263, 1337, 1408, 1624, 1651, 2601, 2682, 2977, 3555]. **Beyond** [546, 702]. **Bézier** [3239, 3703]. **BGK** [129, 130, 204, 299, 628, 900, 984, 1177, 3529, 3865]. **BGK-Collision** [1177]. **BGK-Type** [3529, 3865]. **Bi** [72, 511, 1023, 1641, 2266]. **Bi-Harmonic** [1641]. **Bi-Hyperbolic** [511]. **Bi-level** [72]. **Bi-objective** [2266]. **Bi-Orthogonal** [1023]. **Biased** [2308, 2610, 3113, 3174, 3490]. **Biaxial** [3856]. **BiCGStab** [1657]. **Bicharacteristics** [3797]. **Bidiagonal** [1421]. **Bidomain** [406, 3748]. **Bifurcating** [844, 854]. **Bifurcation** [933, 1048, 1090, 1182, 1449, 1904, 2454, 2974, 3215]. **Big** [1807]. **Biharmonic** [448, 608, 717, 771, 908, 1076, 1273, 1442, 1734, 1775, 1977, 2013, 2061, 2087, 2166, 2169, 2440, 2553, 3086, 3205, 3297, 3355, 3474, 3594, 3753]. **Bilinear** [1424, 3527]. **Bimaterial** [1865]. **Binary** [252, 1396, 2018, 2262, 2439, 2648, 2677, 2927, 3000, 3392, 3478, 3479, 3598, 4012]. **Bingham** [2084, 2236]. **Bio** [2813]. **Biofilm** [1998]. **Biofluids** [1041]. **Biological** [1679]. **Biology** [781]. **Bioluminescence** [1002, 1021]. **Bioreactor** [829]. **Biorthogonal** [908, 1571]. **Biot** [1706, 2249, 3366, 3682, 3694, 3764]. **Biot/Elasticity** [3764]. **Birkhoff** [982]. **Birkhoffian** [1468]. **Birthday** [2231]. **Bisection** [785]. **Bisection-Like** [785]. **Bisingular** [2332]. **Bivariate** [695, 2063, 2571]. **Black** [759, 1063, 1183, 2460, 2572]. **Blast** [445]. **Blind** [586, 1041, 3003, 3395, 3986]. **Bloch** [1771]. **Block** [432, 451, 632, 1481, 1564, 1580, 1637, 1684, 1781, 1818, 1872, 1878, 1900, 1901, 1926, 2000, 2027, 2107, 2216, 2280, 2285, 2286, 2335, 2424, 2753, 2773, 2841, 3445, 3765, 3780, 3844, 3933, 3939, 3975]. **Block-Based** [2335]. **Block-Centered** [1878, 2000, 2841]. **Block-Oriented** [1481]. **Blocks** [529]. **Blood** [2507]. **Blow** [978, 1680]. **Blow-Up** [978, 1680]. **Blurred** [1003]. **Bodies** [355]. **Body** [289, 647, 1838, 2584]. **Bogner** [3293]. **Boiling** [379]. **Boltzmann** [129, 183, 255, 286, 593, 600, 604, 663, 900, 912, 931, 970, 984, 1011, 1043, 1050, 1071, 1100, 1106, 1172, 1177, 1259, 1315, 1326, 1330, 1337, 1368, 1696, 2566, 2642, 2674, 2730, 2820, 3215, 3527, 3922]. **Bona** [856, 2437, 2602, 2812, 4059]. **Bond** [1984, 2138]. **Bond-Based** [1984]. **Boolean** [3227]. **Boosted** [4006]. **boosts** [90]. **Bootstrap** [1137]. **Borwein** [1318, 1595, 2922]. **Borwein-Like** [1595]. **Bose** [734, 1420, 1910, 2485, 3413]. **Both** [1293, 3308, 3699]. **Bottom** [955, 2839]. **Bounce** [1337]. **Bounce-Back** [1337]. **Bound** [1249, 1357, 1939, 1981, 2829, 2960, 3078, 3081, 3123, 3145, 3201, 3247, 3275, 3419, 3515, 3539, 3796, 3852, 3984]. **Bound-Preserving** [1939, 1981, 2960, 3123, 3201, 3539, 3796, 3852]. **Boundaries**

[105, 674, 1635, 2428, 2755, 3364, 3936]. **Boundary** [197, 224, 262, 272, 280, 289, 297, 317, 339, 412, 440, 563, 568, 597, 601, 616, 624, 757, 762, 787, 813, 831, 843, 865, 994, 1097, 1144, 1182, 1189, 1193, 1235, 1312, 1337, 1356, 1431, 1446, 1457, 1480, 1492, 1513, 1546, 1553, 1559, 1562, 1567, 1610, 1643, 1656, 1659, 1689, 1749, 1759, 1790, 1881, 1889, 1913, 1973, 2066, 2083, 2099, 2108, 2119, 2125, 2137, 2166, 2458, 2462, 2468, 2476, 2483, 2576, 2603, 2691, 2697, 2741, 2767, 2775, 2782, 2891, 2925, 2958, 2982, 3019, 3176, 3183, 3185, 3237, 3259, 3269, 3306, 3456, 3473, 3492, 3509, 3582, 3654, 3656, 3753, 3756, 3823, 3866, 3878, 3915, 4059]. **Boundary** [4, 7, 15, 25, 28, 40, 56, 61, 81, 99, 112, 144, 185, 227, 291, 363, 435, 543, 688, 796, 799, 819, 888, 890, 895, 904, 1093, 1184, 1229, 1346, 1373, 1484, 1494, 1538, 1544, 1619, 1623, 1640, 1697, 1743, 1753, 1784, 1808, 1827, 1838, 1844, 1852, 1909, 1955, 1996, 2111, 2115, 2320, 2321, 2352, 2428, 2440, 2518, 2585, 2696, 2821, 2869, 2873, 2976, 3008, 3119, 3147, 3205, 3206, 3406, 3674, 3717, 3732, 3830, 3862, 3908, 4054]. **Boundary-Conforming** [813]. **boundary-divergence** [61]. **Boundary-Finite** [1784]. **Boundary-Unfitted** [3437]. **Boundary-Value** [1749, 1753, 2697]. **Bounded** [16, 256, 504, 1148, 1671, 1672, 2279, 2355, 2786, 3269, 3994, 4059]. **Boundedness** [991, 1856, 2376]. **Bounds** [264, 657, 1217, 1325, 1367, 1620, 2154, 2196, 2259, 2296, 2516, 2878, 3308, 3493, 3692, 3911, 4068]. **Boussinesq** [308, 368, 856, 1537, 1692, 2052, 2058, 2100, 2290, 2399, 2636, 2674, 2703, 2723, 3375, 3523, 4047]. **Boussinesq-Type** [308]. **Box** [566, 972, 2460, 2740, 2852, 4004]. **Box-Scheme** [972]. **Boxplot** [1928]. **BR1** [2185, 2186]. **Branch** [785]. **Branches** [1090, 1725]. **Bratu** [10]. **Break** [1497]. **Breakdowns** [2285, 2286]. **Bregman** [727, 879, 892, 1118, 1124, 1135, 1190, 3564, 4035, 4050]. **Bregmanized** [1129]. **Bremmer** [3316]. **Brezzi** [1176]. **Brillouin** [1157]. **Brinkman** [1630, 1803, 2250, 2259, 2724, 2825, 3093, 3339, 3366, 3528, 3695, 3820, 3839]. **Broadband** [414]. **Broken** [3686, 3708]. **Brownian** [312, 1686, 3555]. **Brusselator** [2951]. **Bubble** [36, 226, 4034]. **Buckley** [1455]. **budget** [65]. **Budgets** [3378]. **Building** [529]. **Bulk** [2464, 3322]. **Bulk-Surface** [2464]. **Bulkley** [1102]. **Burgers** [158, 497, 843, 1078, 2151, 2476, 2487, 2691, 2812, 2935, 3493, 3552, 3833, 3846]. **Burnett** [3527]. **Butterfly** [3949]. **BV** [569]. **BV-duality** [569]. **BVP** [3038]. **BVPs** [2005, 2920]. **Bypass** [558, 3414].

**C** [182, 954]. **C-90** [182]. **C-property** [954]. **C.R.F.** [152]. **C0** [2899, 3186]. **C0-IPM** [3186]. **Cable** [1636]. **Cadzow** [2885]. **Cahn** [464, 803, 851, 1054, 1241, 1418, 1560, 1601, 1724, 1748, 1892, 1945, 2018, 2178, 2224, 2226–2228, 2347, 2362, 2406, 2426, 2439, 2596, 2641, 2683, 2723, 2726, 2770, 2781, 2782, 2793, 2797, 2829, 2958, 3013, 3056, 3067, 3081, 3115, 3145, 3151, 3197, 3212, 3222, 3233, 3247, 3275, 3409, 3466, 3487, 3520, 3579, 3589, 3615, 3641, 3691, 3698, 3729, 3746, 3827, 3984, 3995, 4016, 4040, 4042, 4069]. **Calculating** [2904]. **Calculation** [223, 498, 2457, 2800, 3367, 3939]. **Calculations** [615, 1006, 1054, 1153, 1565, 1932]. **Calculus** [2110, 2184, 2195, 2949].

**Calibration** [4019]. **Calibration-Based** [4019]. **Calibrationless** [1721]. **Camassa** [2599]. **Can** [1479, 3308]. **Canal** [1670]. **Cancellation** [2414]. **Canonical** [1606, 1671, 1672]. **Cantor** [100]. **Capability** [232, 2912]. **Capacity** [1734]. **Capture** [2992]. **Capturing** [201, 272, 296, 589, 616, 764, 943, 1783, 2338, 2458, 2475, 2506, 2526, 2748, 2993, 3106]. **Caputo** [1358, 1855, 2111, 2119, 2125, 2141, 2391, 2616, 2727, 3277]. **Carbuncle** [2229, 3744]. **Cardiac** [406, 1288, 3748]. **Carleman** [1087]. **Carlo** [149, 298, 714, 920, 1538, 2433, 2591, 2905, 2939, 3073, 3200, 3351, 3378, 3775, 3822, 3858, 3930, 4063]. **Cartesian** [410, 613, 787, 1009, 1136, 1332, 1492, 1546, 1664, 1689, 2499, 2671, 3430, 4025]. **Cascadic** [1780]. **Case** [82, 158, 175, 226, 358, 635, 804, 910, 936, 1031, 1306, 1413, 1649, 2121, 2571, 3920]. **Cases** [1777, 1863, 2372]. **Cat** [1154]. **Catalytic** [250]. **Categories** [1671, 1672]. **Cattaneo** [1376]. **Cauchy** [1087, 1350, 1427, 1808, 1985, 2332, 2604, 3616]. **Caused** [1469]. **Cavities** [3726, 3772]. **Cavity** [403, 524, 537, 1092]. **CBS** [2219]. **Cell** [168, 424, 688, 1182, 1232, 1408, 1505, 1647, 2338, 2700, 3148, 3310, 3494, 3674, 3943, 4032]. **Cell-Centered** [1647, 3943]. **Cell/Level** [688]. **Cells** [153, 1409, 1783, 1827, 3769]. **Cellular** [1154]. **CENO** [3424]. **Center** [1157, 1951, 2189, 2364]. **Centered** [188, 1027, 1647, 1809, 1878, 1901, 2000, 2027, 2700, 2841, 3943]. **Centers** [1039]. **Central** [360, 433, 525, 536, 552, 885, 1150, 1156, 1367, 1409, 1596, 1693, 1759, 1830, 2068, 2275, 2368, 2469, 2498, 2755, 2970, 3100, 3250, 3544, 3596, 3662, 3821, 3859]. **Central-Upwind** [536, 1693, 2469, 2970, 3250, 3544, 3596]. **Central-WENO** [1150]. **Centroidal** [843, 1390]. **Century** [2489]. **Certain** [245, 292, 2828]. **Certified** [1010, 1961, 2041, 2053, 2493]. **CFD** [38, 574]. **CFL** [581, 1891, 2457, 2712]. **CFL-Dependent** [2457]. **CFL-Violating** [581]. **CG** [1016, 1579, 2965, 3985]. **CG/DG** [2965]. **CG/DG-SEM** [2965]. **Chain** [2323]. **chained** [141]. **chained-matrices** [141]. **Chains** [873, 3307]. **Challenge** [574, 2252]. **Chambolle** [3359]. **Chandrashekar** [3586]. **Change** [2393, 3528, 3775]. **Changes** [1897]. **Changing** [2501]. **Channel** [25, 568, 1084, 1139, 1909]. **Channels** [947, 1156, 2642, 2737, 3090, 3931]. **Chaos** [324, 1024, 2521]. **Chaotic** [1034]. **Characteristic** [54, 128, 721, 728, 845, 846, 911, 924, 1681, 1806, 1862, 1899, 2167, 2598, 2879, 2900, 2904, 3021, 3306, 3383, 3919]. **Characteristic-Based** [721]. **Characteristic-Curve** [728]. **Characteristic-Featured** [2598]. **Characteristic-Wise** [2879]. **Characteristics** [1138, 1226, 1501, 2189, 3239]. **Characterization** [184]. **Characterizing** [749]. **Charge** [2887, 2905, 3547]. **Charge-Conservative** [2887]. **Charged** [3940]. **Charged-Particle** [3940]. **Charlier** [2921]. **Chebshev** [16]. **Chebyshev** [31, 35, 50, 67, 74, 79, 81, 124, 140, 218, 339, 365, 367, 370, 537, 664, 669, 756, 1067, 1202, 1256, 1572, 1725, 2552, 2571, 2744, 3611, 3655, 3780]. **Chemical** [32, 243, 1250]. **Chemically** [3539, 3796]. **Chemistry** [489]. **Chemotaxis** [773, 1105, 1408, 1597, 1936, 2311, 2389, 2817, 3270, 3451, 3967]. **Chern** [3790].

**Chi** [1916]. **Chi-Wang** [1916]. **Choice** [2962]. **Choices** [857, 3458]. **Choosing** [559]. **Chorin** [3353, 3981]. **Chorin-Type** [3981]. **Chosen** [1389]. **CIMA** [285]. **Circle** [1347, 1545, 1701, 2975]. **Circuits** [2651]. **Circulant** [217, 3939]. **Circular** [401, 544, 903, 2730]. **Circularly** [423]. **Circulation** [172, 279, 408, 416, 1268, 1699, 2240]. **Class** [46, 199, 273, 474, 548, 626, 721, 741, 744, 802, 803, 896, 917, 1018, 1024, 1067, 1220, 1302, 1331, 1376, 1514, 1690, 1709, 1728, 1751, 1835, 1877, 1905, 1931, 2101, 2102, 2107, 2121, 2164, 2188, 2272, 2468, 2479, 2676, 2748, 2794, 2848, 2865, 2933, 2964, 3045, 3097, 3155, 3199, 3223, 3242, 3386, 3524, 3595, 3717, 3720, 3811, 3860, 3999, 4069]. **Classes** [3554]. **Classical** [401, 413, 423, 745, 1053, 1456, 2600, 3785, 3894]. **Classification** [2157, 3471, 3864, 3951]. **Climate** [491]. **Cloak** [3896]. **Cloaks** [2769]. **Close** [366]. **Closed** [941, 1284, 2222, 3837, 4028]. **Closed-form** [4028]. **Closest** [686]. **Closure** [1793, 2076, 2975, 3383, 3469]. **Closures** [157, 191, 697]. **Cloud** [2202]. **Clouds** [1130, 2789, 3019, 3044, 3237, 3629]. **Cluster** [152, 864, 3037, 3439]. **Clustering** [1960, 2223, 3296, 3310, 3780]. **CM** [182]. **CM-5** [182]. **CN** [3946]. **CNN** [3481]. **Coarse** [713, 3171, 3434]. **Coarse-Graining** [713]. **Coarse-Level** [3434]. **Coarsening** [7, 3434]. **Coastal** [172, 408, 416]. **Coaxial** [1737]. **Cockburn** [2231]. **Code** [168, 478, 847, 995]. **codes** [76, 109]. **Coefficient** [361, 987, 1239, 1544, 2141, 2250, 2283, 2875, 3020, 3176, 3453, 3492, 3558]. **Coefficients** [162, 519, 560, 578, 590, 732, 791, 909, 1038, 1042, 1319, 1350, 1405, 1434, 1523, 1585, 1762, 1937, 1957, 2075, 2145, 2308, 2349, 2376, 2433, 2552, 2610, 2647, 2661, 2799, 2934, 2969, 3128, 3178, 3283, 3333, 3444, 3739, 3898, 3917]. **Coercivity** [561]. **COFRB** [2493]. **coherence** [49]. **Coherent** [177, 1426, 1956]. **Cohesive** [751]. **Cold** [797]. **Collective** [3018]. **Collinear** [3712]. **Collision** [472, 1177, 1967, 2560, 3527]. **Collisional** [2211]. **collisions** [109]. **Collocated** [1495]. **Collocation** [31, 33, 81, 117, 140, 158, 159, 175, 340, 365, 370, 420, 641, 669, 747, 794, 819, 857, 1051, 1078, 1104, 1164, 1202, 1219, 1246, 1263, 1312, 1356, 1369, 1433, 1512, 1582, 1618, 1646, 1709, 1767, 1790, 1870, 1943, 2069, 2111, 2119, 2199, 2354, 2434, 2464, 2527, 2663, 2710, 2728, 2897, 3450, 3476, 3506, 3604, 3629, 3663, 3911, 3932, 3938, 3947, 4043]. **Colloidal** [2927]. **Color** [52, 1896, 3267, 3298, 3377, 3488, 3960, 3986]. **Colorization** [1660, 2214]. **Combined** [232, 355, 1100, 1365, 1523, 1613, 1780, 2665, 2763, 2846, 2906, 2923, 3553, 3927]. **Combining** [2862]. **Combustion** [216, 231, 236, 962]. **Common** [2750]. **Commutative** [306, 1096]. **Commutator** [1185]. **Commuting** [1028]. **Compact** [44, 60, 281, 343, 356, 429–433, 486, 501, 605, 702, 724, 816, 868, 944, 1029, 1076, 1080, 1095, 1110, 1112, 1169, 1174, 1180, 1204, 1260, 1262, 1320, 1331, 1365, 1376, 1421, 1457, 1460, 1464, 1543, 1544, 1587, 1615, 1652, 1780, 1863, 1928, 1981, 2040, 2124, 2133, 2141, 2153, 2163, 2492, 2499, 2540, 2620, 2649, 2700, 2757, 2802, 2812, 2841, 2920, 2952, 2997, 3053, 3210, 3334, 3453, 3553, 3617, 3824, 3833, 3901–3903]. **Compact-WENO** [1981, 3210]. **Compactly** [1416, 2338]. **Companion** [3108]. **Companion-Like** [3108]. **Comparative** [426, 1016, 1579].

**Comparing** [2507]. **Comparison** [182, 287, 350, 603, 760, 777, 876, 1242, 1263, 1337, 1408, 1507, 1531, 1578, 1833, 2113, 2415, 2601, 2615, 2891, 3384]. **Comparisons** [540]. **Compartmental** [3401, 3497]. **Compatibility** [36, 74, 3243]. **Compatible** [1462, 2850, 3345, 3643, 3827]. **Compensation** [3318]. **compensator** [139]. **Competition** [3555]. **Complement** [1485]. **Complementarity** [927, 2377, 2687, 3714, 3826]. **Complementary** [2503, 3447]. **Complete** [252, 893, 1099, 1420, 1858, 3023]. **Completion** [1186, 2031, 2480, 2547, 2722, 2922, 2972, 3003, 3120, 3189, 3261, 3336, 3350, 3631]. **Complex** [202, 305, 504, 644, 1071, 1122, 1140, 1315, 1546, 1598, 1689, 1888, 2352, 2482, 2619, 2639, 2780, 2908, 3121, 3128, 3504, 3538, 3659, 3818, 3822, 4063]. **Complexes** [3440, 3831]. **Complexity** [1354, 1684, 1727, 1938, 2117, 2777, 3955, 4013]. **Complicated** [1295, 1321]. **Component** [734, 2716, 2831, 2927, 2990, 3005, 3051, 3207, 3539, 3796]. **Components** [2623]. **Composite** [862, 1272, 1289, 1402, 1859, 2118, 2134, 2138, 2378, 2471, 2526, 2659, 3341, 3441, 3489, 3668, 3772, 4028, 4053]. **Composition** [2411]. **Comprehensive** [2810]. **Compressed** [3439, 4008]. **Compressibility** [2719, 3393, 3981]. **Compressible** [15, 65, 68, 103, 168, 186, 230, 232, 261, 296, 309, 597, 610, 634, 667, 698, 787, 809, 842, 923, 1083, 1106, 1208, 1320, 1348, 1451, 1452, 1478, 1494, 1616, 1632, 1645, 1869, 1901, 1948, 1979, 1981, 2000, 2011, 2027, 2042, 2185, 2186, 2500, 2537, 2540, 2623, 2650, 2671, 2705, 2782, 2953, 3091, 3173–3175, 3210, 3303, 3370, 3372, 3394, 3420, 3423, 3426, 3461, 3467, 3472, 3494, 3617, 3624, 3643, 3664, 3900, 3924, 3931, 3957, 3994, 3995, 4056]. **Compression** [586, 833, 1288, 1456, 1890, 2160, 2284, 2337]. **Compressive** [705, 1318, 3478, 3598]. **Computable** [2196, 2485, 2792]. **Computation** [39, 45, 53, 66, 90, 116, 141, 192, 227, 241, 246, 253, 283, 326, 360, 385, 422, 478, 514, 602, 631, 677, 681, 683, 698, 763, 902, 969, 1061, 1154, 1383, 1443, 1563, 1649, 1755, 1841, 1898, 1956, 2035, 2266, 2510, 2607, 2664, 2921, 2934, 2944, 3058, 3295, 3462, 3485, 3517, 3619, 3682, 3712, 4048]. **Computational** [37, 161, 331, 444, 490, 619, 1122, 1354, 1396, 1590, 1746, 1804, 1938, 2095, 2240, 2378, 2601, 3378, 3382, 3603]. **Computationally** [1839]. **Computations** [96, 195, 335, 379, 410, 461, 549, 565, 658, 825, 995, 1227, 1374, 2093, 2471, 2870, 3109, 3167, 3435, 3582, 3799, 4015]. **Compute** [2405, 3308, 3527]. **Computed** [2495]. **Computer** [3, 844, 854]. **computers** [21, 114]. **Computing** [13, 78, 82, 205, 657, 706, 724, 820, 1049, 1062, 1083, 1157, 1297, 1390, 1414, 1426, 1469, 1545, 1654, 1671, 1672, 1771, 1817, 1910, 2029, 2030, 2080, 2085, 2109, 2184, 2279, 2323, 2325, 2399, 2539, 2619, 2728, 2757, 2809, 2854, 2894, 3121, 3132, 3169, 3179, 3271, 3330, 3379, 3393, 3411, 3655, 3675, 3733, 3881, 3891, 3907, 4065]. **Comsol** [2002]. **Concatenated** [3485]. **Concave** [1516, 2297]. **Concentrated** [393]. **Concentration** [693, 1037, 2714]. **Concepts** [378, 2404]. **Concurrent** [2149, 3685]. **Condensates** [734, 1420, 1910, 2485, 3413]. **Condition** [88, 159, 272, 597, 616, 617, 831, 904, 1176, 1312, 1353, 1640, 1656, 1697, 1844, 1854, 1881, 1891, 2066, 2083, 2132, 2137, 2458, 2625, 2741, 3021, 3073, 3205, 3322, 3359, 3456, 3999, 4032]. **Conditional**

[170, 3462]. **Conditionally** [810]. **Conditioned** [998, 1993]. **Conditioning** [245, 3252, 3514]. **Conditions** [4, 36, 74, 81, 99, 171, 196, 224, 262, 280, 289, 339, 412, 543, 595, 601, 737, 757, 788, 796, 819, 994, 1184, 1193, 1229, 1235, 1337, 1356, 1367, 1373, 1446, 1492, 1494, 1544, 1559, 1562, 1567, 1619, 1643, 1659, 1687, 1689, 1909, 1996, 2099, 2108, 2115, 2462, 2483, 2603, 2666, 2692, 2712, 2775, 2782, 2794, 2821, 2869, 3243, 3259, 3306, 3492, 3541, 3731, 3855, 3862, 3878, 3908, 4034, 4059]. **Conducting** [2905]. **Conduction** [1226, 2083, 2515, 2617]. **Conductive** [2576]. **Conductivity** [1393, 3073, 3492]. **Conductors** [2915]. **Cone** [2377, 3457]. **Cone-Preinvexity** [3457]. **Cones** [1649]. **Configuration** [312]. **Configurations** [248, 2378]. **confined** [133]. **Confluence** [2496]. **Conformal** [185, 863, 1255, 1341, 1506, 1566, 1611, 1671, 1672, 1831, 1906, 2785, 3019, 3221, 3740]. **Conforming** [124, 155, 294, 813, 909, 919, 1240, 1434, 1666, 2053, 2057, 2205, 2208, 2253, 2331, 2369, 2703, 2776, 2935, 2962, 2967, 3190, 3321, 3511, 3518, 3540, 3541, 3566, 3703, 3749, 3803, 3886, 3888, 4061]. **conformity** [3854]. **Conjugate** [228, 276, 509, 2269, 2424, 2806, 3041, 3483, 3626]. **Connected** [1148, 1297, 1506, 1671, 1672, 2279, 3189, 3338, 3727, 3863]. **Connection** [101, 1115, 3196, 3337, 3359]. **Connections** [1624]. **consequences** [161]. **Conservation** [206, 267, 269, 274, 362, 374, 404, 417, 427, 525, 538, 541, 542, 555, 609, 617, 655, 659, 738, 904, 907, 922, 1024, 1058, 1085, 1094, 1099, 1128, 1194, 1228, 1244, 1291, 1329, 1404, 1407, 1438, 1444, 1445, 1448, 1458, 1464, 1533, 1539, 1664, 1693, 1715, 1745, 1787, 1795, 1855, 1886, 1928, 1974, 2016, 2032, 2040, 2105, 2153, 2200, 2221, 2237, 2249, 2331, 2356, 2368, 2394, 2444, 2494, 2563, 2586, 2587, 2598, 2849, 2997, 3027, 3045, 3089, 3101, 3112, 3123, 3134, 3153, 3241, 3242, 3264, 3325, 3373, 3390, 3440, 3468, 3505, 3515, 3547, 3642, 3704, 3786, 3821, 3912, 3916, 3930, 3943, 3946, 3953, 4052, 4055]. **Conservation** [174, 981, 1181, 1799, 1952, 3098, 3361, 3728, 3789, 3794]. **Conservations** [3721]. **Conservative** [386, 555, 590, 597, 621, 666, 667, 698, 809, 846, 940, 952, 953, 1497, 1894, 1899, 1919, 1939, 1948, 2007, 2014, 2043, 2057, 2105, 2113, 2141, 2148, 2209, 2210, 2243, 2251, 2293, 2421, 2705, 2706, 2811, 2812, 2829, 2831, 2838, 2850, 2876, 2887, 2889, 2940, 2970, 3013, 3033, 3051, 3056, 3085, 3102, 3115, 3250, 3253, 3273, 3317, 3372, 3375, 3386, 3402, 3446, 3467, 3575, 3613, 3638, 3664, 3781, 3851, 3935, 3957, 4016, 4020, 4059]. **Conserve** [666]. **Conserved** [985, 1710, 3082, 3551]. **Conserving** [735, 887, 1046, 1079, 1254, 1453, 1487, 1581, 1940, 2201, 2336, 2491, 2602, 2633, 2793]. **Considering** [1777, 2986]. **Consistency** [956, 1612, 1776]. **Consistent** [1340, 1406, 1458, 1787, 2067, 2360, 2757, 2883]. **Consolidation** [1706, 2249, 3694]. **Constant** [211, 361, 828, 873, 1409, 2144, 2525, 2552, 3276, 3597]. **Constants** [510, 2219, 2792, 2984]. **Constrained** [752, 793, 1096, 1132, 1190, 1243, 1388, 1485, 1588, 1625, 1628, 1987, 2199, 2265, 2605, 2731, 2852, 3100, 3164, 3177, 3341, 3585, 3673, 3732, 3805, 3853, 3959, 3972, 4013, 4014]. **Constraint** [478, 1258, 1307, 1391, 1573, 2331, 2671, 2829, 3203, 3548, 3624, 4005, 4016]. **Constraint-Defined** [478]. **Constraint-Free** [1258]. **Constraints** [376, 668, 709, 899, 992, 1005, 1212, 1293, 1857, 2002, 2318, 2350, 2406, 2425, 2620,

2740, 2777, 3158, 3163, 3164, 3197, 3385, 3798, 3810, 3870, 3917, 4004, 4064]. **Constructing** [1820, 2077, 2664]. **Construction** [377, 479, 666, 1395, 1465, 1614, 1893, 1933, 1956, 2306, 2392, 2573, 2593, 3102, 3142, 3166, 3453, 3841, 4045]. **Constructive** [3080, 3221]. **Contact** [296, 647, 1402, 1454, 1888, 2534, 2682, 3009, 3201, 3536, 3548, 3565, 3622, 3627, 3774, 3810]. **Container** [3810]. **Containing** [3302]. **Contamination** [1862]. **Context** [585]. **Continuation** [712, 1090, 1420, 1448, 1549, 1990, 2931, 3798]. **continued** [141]. **Continuous** [94, 500, 698, 777, 839, 906, 1210, 1245, 1491, 1893, 1917, 1974, 1984, 1999, 2007, 2167, 2188, 2269, 2666, 2919, 2978, 2981, 2987, 3096, 3219, 3226, 3373, 3407, 3425, 3559, 3600, 3701, 3884, 3890]. **Continuous/Discontinuous** [3226]. **Continuum** [3008, 3345, 4017]. **Contour** [1517, 2459, 2945, 3679]. **Contour-Integral** [2459]. **Contours** [1006]. **Contractile** [1610]. **Contraction** [1413]. **Contractive** [2699]. **Contrast** [1911, 2250, 2507, 2880, 3202]. **Contrast-Enhanced** [2507]. **Control** [27, 42, 407, 477, 495, 652, 740, 754, 767, 793, 795, 822, 843, 899, 933, 992, 999, 1048, 1096, 1167, 1182, 1288, 1293, 1461, 1485, 1522, 1553–1555, 1561, 1573, 1588, 1625, 1736, 1764, 1876, 1898, 1905, 1915, 1923, 1991, 2041, 2159, 2199, 2259, 2266, 2318, 2367, 2419, 2451, 2457, 2468, 2476, 2624, 2643, 2691, 2717, 2825, 2864, 2873, 2979, 2982, 3017, 3119, 3147, 3158, 3166, 3178, 3269, 3319, 3344, 3438, 3449, 3486, 3570, 3685, 3697, 3732, 3802, 3805, 3853, 3917, 3935, 4000, 4029, 4038, 4060, 4064]. **Controllability** [1768]. **Controllable** [204]. **Controllers** [277]. **Controls** [2041, 2979, 3166]. **Convection** [58, 145, 211, 248, 288, 393, 403, 437, 466, 568, 636, 761, 786, 789, 795, 800, 827, 836, 841, 844, 846, 848, 854, 855, 924, 932, 971, 1013, 1026, 1134, 1172, 1207, 1226, 1230, 1275, 1317, 1330, 1362, 1433, 1466, 1529, 1536, 1602, 1605, 1613, 1658, 1696, 1701, 1711, 1757, 1825, 1882, 1938, 1982, 2010, 2106, 2159, 2176, 2199, 2218, 2239, 2393, 2468, 2524, 2706, 2724, 2734, 2788, 2853, 2889, 2928, 2945, 2954, 3026, 3077, 3078, 3218, 3239, 3240, 3262, 3280, 3328, 3528, 3577, 3670, 3770, 3800, 3858, 3926, 3929, 3935, 3996, 4018, 4038, 4062]. **Convection-Diffusion** [437, 1026, 1658, 2928, 3262]. **Convection-Dominated** [288, 827, 924, 971, 1013, 1825, 3670, 4038]. **Convective** [370, 1578, 1963, 3609, 3641, 3695, 3839]. **Convergence** [196, 259, 264, 267, 333, 362, 458, 496, 595, 716, 775, 952, 1078, 1087, 1091, 1141, 1166, 1187, 1267, 1278, 1344, 1411, 1428, 1551, 1598, 1661, 1731, 1762, 1798, 1802, 1805, 1818, 1858, 1915, 1980, 1985, 1989, 1994, 1997, 2003, 2055, 2075, 2097, 2107, 2114, 2150, 2151, 2178, 2258, 2326, 2388, 2418, 2442, 2444, 2553, 2556, 2629, 2650, 2676, 2756, 2781, 2807, 2821, 2836, 2857, 2888, 2917, 2981, 2991, 3012, 3015, 3022, 3098, 3103, 3125, 3134, 3151, 3162, 3170, 3277, 3328, 3362, 3389, 3423, 3436, 3446, 3449, 3537, 3547, 3564, 3572, 3574, 3586, 3602, 3657, 3683, 3700, 3740, 3748, 3778, 3793, 3863, 3880, 3966, 3977, 4003, 4007, 4069]. **Convergence** [70, 146, 623, 925, 1372, 1511, 1516, 1596, 1949, 2079, 2188, 2715, 2745, 2812, 2851, 2937, 3159, 3907, 3910, 3974]. **Convergent** [16, 613, 766, 1465, 1703, 1747, 1853, 1872, 1927, 2131, 2171, 2408, 2537, 2605, 2734, 3040, 3099, 3104, 3157, 3326, 3441, 3587, 3616, 3682, 3723, 3795, 3848, 3871, 3913, 3969]. **Conversion** [2292]. **Converter** [250]. **Convex** [620, 622, 652, 822, 1025, 1516, 1564, 1648, 1649,

1669, 1684, 1731, 1781, 1923, 2030, 2107, 2118, 2180, 2421, 2526, 2735, 2824, 2844, 2884, 2999, 3100, 3205, 3341, 3573, 3631, 3729, 3838]. **Convex-Splitting** [3729]. **Convexification** [3176]. **Convexified** [1130]. **Convexity** [148, 1416, 1684]. **convexity-preserving** [148]. **Convolution** [2277, 2761, 2801, 2949, 3968]. **Convolutional** [1338, 3044, 3142, 3450]. **Cooling** [459]. **Coordinate** [400, 602, 1872, 3626, 3994, 4037]. **Coordinates** [868, 1174, 1334, 1494, 1717, 2564, 2664, 2926]. **Coordination** [3288]. **Copolymer** [2883]. **Cordes** [3283]. **Core** [491, 995, 1090, 1557, 2302]. **Core-Annular** [1557]. **Corner** [50, 270, 1839, 2372]. **Cornered** [3776]. **Corners** [737, 3654]. **Coronary** [3414]. **Corrected** [97, 3534, 3649, 3860]. **Correcting** [3295]. **Correction** [317, 342, 1027, 1115, 1166, 1336, 1500, 1646, 1705, 1815, 1867, 1876, 1978, 2058, 2104, 2186, 2210, 2218, 2286, 2321, 2329, 2370, 2399, 2447, 2519, 2638, 2801, 2915, 2995, 3042, 3085, 3112, 3115, 3128, 3172, 3256, 3263, 3318, 3320, 3331, 3497, 3532, 3533, 3535, 3588, 3598, 3666, 3680, 3708, 3756, 3782, 3794, 3796, 3941, 3967, 4018, 4062, 4063]. **Corrections** [4054]. **Corrector** [2749, 3460]. **Correlated** [1041, 3850]. **Correlation** [1476, 3314]. **Correlations** [177, 3785]. **Corrigenda** [2886]. **Corrupted** [1186]. **Cosine** [1100, 3443]. **Cost** [19, 586, 2405, 2595, 3805]. **cost-function** [19]. **Costly** [1394]. **Costs** [3895]. **Coulomb** [2414, 3653]. **Coupled** [113, 178, 455, 509, 646, 770, 805, 1061, 1089, 1125, 1209, 1262, 1268, 1308, 1326, 1369, 1500, 1706, 1965, 1983, 2052, 2097, 2218, 2262, 2351, 2464, 2549, 2577, 2805, 2887, 3009, 3048, 3095, 3192, 3236, 3254, 3322, 3339, 3348, 3375, 3446, 3448, 3455, 3464, 3475, 3516, 3695, 3705, 3790, 3877, 3903, 3946]. **Coupling** [294, 1097, 1317, 1638, 1687, 1961, 1968, 2150, 2243, 2269, 2496, 2582, 2692, 3183, 3269, 3274, 3351, 3540, 3658, 3902]. **Couplings** [1992]. **Covariance** [9, 1022, 3514]. **Cowell** [2005]. **CP** [3079, 3120]. **CPMG** [114]. **CPR** [1329]. **Crank** [1303, 1356, 1376, 1512, 1537, 1682, 1825, 1879, 1887, 1892, 2044, 2344, 2629, 2801, 2917, 3279, 3426, 3705, 3761, 3845]. **Cray** [182]. **Criteria** [332, 881, 2460]. **Criterion** [1244, 1606, 3505, 3860, 3912]. **Critical** [715, 1106, 3210]. **Critical-adaptive** [3210]. **Cross** [2450, 2571, 2951, 3288, 3379, 3600]. **Cross-Diffusion** [2951]. **Cross-Dimensional** [3288]. **Cross-Product** [3379]. **Crouzeix** [1357, 1399, 1437, 1441, 2015]. **Cryogenic** [2731]. **Crystal** [27, 563, 1379, 1508, 1678, 1995, 2754, 2893, 3058, 3246, 3882]. **Crystalline** [3685]. **Crystals** [1157, 1771, 2619, 2927, 3257, 3801, 3856]. **CT** [1120, 3969]. **CU6** [2469]. **Cubature** [695]. **Cubed** [1204, 1328]. **Cubed-Sphere** [1204, 1328]. **Cubic** [524, 1785, 1853, 2819, 3162, 3533, 3807]. **Cubical** [537]. **Cuboid** [3831]. **cuboidal** [155]. **CUDA** [1183]. **Curl** [1673, 1918, 3034, 3358, 3400, 3950, 4056]. **Curl-Free** [3400, 4056]. **Curlcurl** [3511]. **Curlcurl-Conforming** [3511]. **Current** [244, 293, 1737, 3110, 3819]. **Curse** [1923]. **Curvature** [389, 392, 464, 1132, 1732, 1761, 2248, 2622, 3105, 3197, 3295, 3447, 3551, 3988, 4024]. **Curvature-Dependent** [3988]. **Curvatures** [681]. **Curve** [728]. **Curved** [244, 547, 865, 1085, 1094, 1275, 1279, 1496, 1735, 2330, 2369, 2374, 2428, 3055, 3325, 3364, 3410, 3804, 3866, 3869, 3936].

**Curved-Interface** [1735]. **Curves** [680, 3810, 3837]. **Curvilinear** [513, 1319, 1494, 1624, 1884, 2194, 2296, 2535, 2564, 2586, 2926, 3196, 3613, 3773, 3994]. **Customized** [3720]. **Cut** [1827, 2958, 3081, 3089, 3375]. **Cut-Off** [3081, 3375]. **CutFEM** [2891]. **CVEM** [3274]. **CVEM-BEM** [3274]. **CWENO** [1622, 2993]. **Cycle** [1182, 1997, 2281]. **Cylinder** [544, 605, 903]. **Cylindrical** [1253, 3303]. **Czochralski** [27].

**D** [177, 248, 263, 316, 336, 384, 403, 486, 530, 593, 600, 646, 658, 742, 769, 812, 823, 865, 869, 955, 1002, 1006, 1021, 1061, 1078, 1174, 1192, 1236, 1260, 1276, 1306, 1310, 1339, 1359, 1558, 1579, 1641, 1658, 1737, 1748, 1779, 1780, 1795, 1838, 1858, 1888, 2002, 2252, 2556, 2608, 2610, 2624, 2671, 2679, 2734, 2773, 2782, 2835, 3303, 3394, 3461, 3506, 3830]. **D/** [600, 1310, 1779, 2608]. **DA-PredGAN** [3401, 3497]. **Dafermos** [3505, 3912]. **Dai** [3041]. **Dam** [1497]. **Damp** [965]. **Damped** [1566, 2815, 3342, 3841]. **Damped/Driven** [2815]. **Damping** [433]. **Darcy** [441, 455, 830, 1066, 1089, 1203, 1285, 1853, 1901, 1969, 1983, 2027, 2150, 2227, 2243, 2562, 2577, 2723, 2765, 2805, 3048, 3073, 3088, 3093, 3236, 3254, 3389, 3393, 3440, 3658, 3877, 3927, 3981, 3999]. **Darcy-Transport** [3877]. **Darwin** [1829]. **Data** [19, 78, 131, 475, 512, 562, 564, 606, 693, 817, 889, 1002, 1003, 1005, 1015, 1021, 1041, 1056, 1173, 1266, 1327, 1338, 1395, 1483, 1589, 1700, 1751, 1782, 1807, 1819, 1934, 1944, 1987, 1990, 2016, 2038, 2109, 2260, 2351, 2408, 2410, 2418, 2517, 2554, 2656, 2669, 2714, 2717, 2804, 2822, 2863, 2917, 2922, 3092, 3113, 3116, 3118, 3134, 3161, 3181, 3193, 3204, 3206, 3285, 3297, 3343, 3376, 3401, 3412, 3414, 3452, 3471, 3497, 3602, 3681, 3683, 3726, 3762, 3899, 3951, 3973, 3975, 4036]. **Data-Driven** [1395, 1700, 2863, 3118, 3193, 3343, 3414, 3452]. **Data-Fidelity** [1266, 1782]. **Datasets** [910]. **Davey** [3791]. **Davidson** [2079, 2744, 3330, 3379, 3780]. **DC** [1676, 3177, 3870, 4035]. **DCT** [3443]. **DCT-Former** [3443]. **DDG** [1949]. **DDGIC** [1949]. **De-noising** [1008]. **Deblurring** [1499, 1570, 1786, 1850, 1864, 3826, 3986]. **Decay** [1352, 1488, 1811, 3579]. **Decaying** [65, 103, 2112]. **Decision** [3184]. **Decision-Making** [3184]. **Decomposition** [14, 33, 62, 102, 108, 117, 126, 135, 153, 154, 156, 190, 196, 201, 205, 251, 336, 371, 509, 553, 641, 737, 760, 832, 896, 1001, 1007, 1093, 1129, 1224, 1236, 1290, 1295, 1328, 1364, 1391, 1446, 1454, 1462, 1564, 1608, 1637, 1703, 1764, 1873, 1918, 1959, 1990, 2112, 2131, 2207, 2283, 2292, 2350, 2453, 2461, 2532, 2630, 2689, 2805, 2894, 2900, 2922, 2948, 2961, 2981, 3021, 3079, 3161, 3189, 3193, 3258, 3309, 3330, 3336, 3338, 3353, 3362, 3379, 3493, 3504, 3516, 3519, 3568, 3701, 3722, 3727, 3734, 3919, 3948, 3950, 3960, 3975, 4037]. **Decompositions** [245, 1817, 2762, 3357, 3382, 3803]. **Decontamination** [1679]. **Deconvolution** [1032, 2078, 2091, 3003]. **Decoupled** [1203, 1370, 1500, 1560, 1788, 1791, 2227, 2512, 2641, 2723, 2838, 2927, 3009, 3034, 3093, 3274, 3426, 3464, 3618, 3877, 3906, 3946, 4011]. **Decoupling** [3159, 3682]. **Deep** [2157, 2810, 2856, 2914, 3080, 3179, 3204, 3216, 3272, 3294, 3309, 3319, 3346, 3369, 3384, 3421, 3481, 3650, 3670, 3702, 3755, 3759, 4029, 4036]. **Deep-HyROMnet** [3346]. **DeepSets** [3165]. **Defect** [1705, 3263, 3331]. **Defect-Correction** [3263]. **Defective** [895]. **Defects** [3685]. **Deferred**

[317, 342, 1166, 1646, 2058, 2218, 2370, 2638, 3256]. **Defibrillation** [1288]. **Defined** [478, 724]. **Definite** [2327, 2377, 2583, 2904]. **Definition** [364]. **Deflagration** [231]. **Deflated** [2424]. **Deflation** [760, 2753, 3482]. **Deformable** [3406]. **Deformation** [1309, 1611, 1946]. **Deformations** [329, 674, 2961]. **Deformed** [746, 988]. **Deforming** [3121]. **Degasperis** [1342]. **Degenerate** [371, 708, 1163, 1196, 1408, 1998, 2308, 2746, 2877, 3027, 3349, 3623, 3698]. **Degraded** [1896, 2315]. **Degree** [340, 1725, 2057, 2256, 2716, 3317, 3992]. **Degree-Increasing** [1725]. **Degrees** [17, 812]. **DEIM** [1962]. **Delay** [1104, 1618, 1993, 1999, 2005, 2101, 2662, 2802, 3276, 3537, 3597, 3649, 4009]. **Delay-Equations** [4009]. **Delayed** [2904]. **Delays** [2116, 2531]. **Delta** [1886, 2201]. **Demi** [2699]. **Dendritic** [380, 763]. **Denoising** [569, 826, 1032, 1252, 1307, 1364, 1470, 1851, 1864, 2280, 2622, 3062, 3074, 3267, 3683, 3850]. **Dense** [1828, 2284]. **Densities** [1895]. **Density** [236, 642, 643, 1127, 1370, 1929, 2427, 2774, 2905, 3057, 3104, 3406, 3522, 3618, 3702, 4011]. **Density-Equalizing** [2774]. **Dependence** [806, 4042]. **Dependent** [49, 77, 126, 187, 232, 312, 352, 532, 557, 762, 770, 831, 966, 976, 1014, 1134, 1226, 1355, 1371, 1401, 1446, 1453, 1465, 1561, 1613, 1665, 1784, 1923, 1995, 1996, 2044, 2064, 2075, 2197, 2235, 2290, 2313, 2347, 2403, 2423, 2443, 2446, 2447, 2457, 2643, 2647, 2667, 2689, 2721, 2739, 2800, 2810, 2886, 2895, 2938, 2969, 2991, 3021, 3032, 3046, 3077, 3102, 3245, 3360, 3368, 3381, 3396, 3433, 3444, 3486, 3519, 3610, 3622, 3690, 3815, 3845, 3878, 3934, 3988, 4047]. **Depth** [806, 2100]. **Derivation** [104, 987]. **Derivative** [632, 1393, 1509, 1662, 1663, 1715, 1976, 1996, 2067, 2111, 2190, 2465, 2616, 2767, 2988, 3047, 3165, 3480, 3586, 3731, 3955]. **Derivative-Free** [3955]. **Derivative-Informed** [3480]. **Derivatives** [302, 706, 1038, 1042, 1388, 1636, 1820, 1842, 1855, 1874, 1976, 2035, 2288, 2391, 2484, 2508, 2891, 3302, 3334, 3553, 3556, 3619, 3677]. **Derived** [312, 760]. **Descent** [640, 1034, 2053, 2223, 2507, 2685, 2942, 2950, 3041, 3176, 3268, 3483, 3626, 3810, 3969]. **Describing** [743, 2621, 3555]. **Description** [3756]. **Descriptors** [2961]. **Design** [42, 91, 558, 1037, 1314, 1373, 1421, 1907, 2106, 2304, 2607, 3480, 4029]. **Designing** [2407]. **Destruction** [2361]. **Detached** [1578]. **Detached-Eddy** [1578]. **Detailed** [489]. **Detecting** [1819, 2410, 2514, 3621, 3670]. **Detection** [559, 693, 784, 913, 1003, 1031, 1036, 1037, 1338, 1642, 2071, 2236, 2714, 3447, 3616, 3620, 3671, 3918]. **Detector** [2649]. **Detectors** [564, 3142]. **Determinantal** [2814]. **Determination** [1389]. **Determining** [3832]. **Deterministic** [2102, 3559]. **Detonation** [381, 1077, 1150, 3665]. **Develop** [2514]. **Developing** [1644, 2780, 2912, 3896]. **Development** [555, 847, 1854, 2941]. **Developmental** [781]. **Developments** [877, 2235]. **Deviation** [2325]. **Devices** [2403, 2711]. **Dewetting** [3905]. **DG** [772, 774, 776, 795, 887, 1221, 1233, 1367, 1550, 1638, 1834, 1921, 2243, 2331, 2368, 2380, 2381, 2468, 2474, 2703, 2839, 2935, 2947, 3010, 3057, 3088, 3122, 3225, 3327, 3490, 3494, 3652, 3756, 3892, 3924, 3929, 4057]. **DG-IMEX** [1921]. **DG-Methods** [1221]. **DG-Mixed** [2703]. **DG-SEM** [2965]. **DG/Mixed**

[2243]. **DGP** [3650]. **DGSEM** [1436]. **Diagnosing** [2435]. **Diagnostics** [187, 575]. **Diagonal** [1707, 2366, 2770]. **Diagonalization** [3939]. **Diagonally** [696, 3280, 3954]. **Diagrams** [1420]. **Diamond** [3331]. **Diblock** [2883]. **Dictionary** [1426]. **Dielectric** [260, 498]. **Dielectrics** [859, 1084]. **Diffeomorphism** [1405]. **Difference** [264, 270, 281, 282, 332, 343, 360, 366, 386, 486, 552, 590, 593, 613, 762, 882, 928, 987, 994, 1038, 1042, 1080, 1095, 1105, 1140, 1143, 1150, 1350, 1404, 1426, 1439, 1448, 1457, 1460, 1481, 1539, 1546, 1568, 1635, 1689, 1702, 1716, 1758, 1759, 1860, 1862, 1878, 1882, 1902, 1913, 1928, 1965, 1979, 1981, 1984, 2000, 2027, 2066, 2067, 2075, 2082, 2133, 2175, 2324, 2389, 2446, 2447, 2466, 2505, 2516, 2533, 2540, 2543, 2569, 2603, 2650, 2700, 2742, 2746, 2755, 2757, 2833, 2842, 2860, 2884, 2960, 2988, 3005, 3040, 3212, 3226, 3282, 3306, 3349, 3474, 3493, 3499, 3594, 3790, 3817, 3833, 3889, 3989, 4005, 4007, 4071]. **Difference** [39, 113, 160, 188, 239, 246, 315, 364, 391, 503, 542, 548, 573, 630, 718, 764, 851, 1040, 1044, 1110, 1169, 1244, 1262, 1365, 1412, 1477, 1494, 1495, 1544, 1596, 1616, 1632, 1666, 1798, 1901, 1996, 2003, 2141, 2203, 2208, 2274, 2382, 2490, 2497, 2535, 2612, 2644, 2649, 2765, 2841, 2986, 3029, 3072, 3109, 3154, 3334, 3337, 3361, 3453, 3577, 3613, 3723, 3824, 3857, 3903, 3919, 3943, 3957, 4025, 4056]. **Difference/Compact** [3833]. **Difference/Finite** [1860]. **Differencefor** [2153]. **Differences** [405, 1587, 1719, 2173, 3945]. **Differencing** [1397, 1541, 1615, 2456, 2498, 2568, 2766, 2797, 3311, 3641, 3787, 3807, 4010]. **Different** [603, 1033, 1416, 1488, 2363, 2378, 2642, 3354, 3768, 4039]. **differentiable** [2479]. **Differential** [202, 212, 213, 264, 265, 333, 340, 479, 731, 741, 744, 747, 756, 815, 832, 1068, 1086, 1168, 1173, 1246, 1286, 1287, 1313, 1518, 1530, 1635, 1665, 1680, 1694, 1708, 1725, 1749, 1750, 1821, 1874, 1890, 1898, 1923, 1926, 1943, 1962, 1999, 2008, 2009, 2019, 2039, 2043, 2101, 2110, 2124, 2128, 2173, 2216, 2235, 2324, 2337, 2344, 2349, 2354, 2375, 2391, 2404, 2464, 2493, 2539, 2544, 2638, 2681, 2689, 2727, 2820, 2828, 2946, 2982, 3137, 3184, 3226, 3230, 3245, 3256, 3277, 3347, 3360, 3369, 3429, 3485, 3500, 3519, 3556, 3562, 3576, 3590, 3603, 3666, 3672, 3696, 3725, 3809, 3815, 3829, 3873, 3881, 3892, 3904, 4022]. **Differential** [63, 90, 136, 142, 164, 302, 398, 894, 1051, 1093, 1104, 1206, 1322, 1352, 1366, 1461, 1491, 1618, 1751, 1870, 1993, 2005, 2086, 2188, 2367, 2370, 2531, 2771, 2845, 2846, 2974, 3061, 3309, 3315, 3537, 3553, 3629, 3663, 3735, 3783, 3925, 3962, 4026]. **Differential-Algebraic** [1246]. **Differentially** [403]. **Differentiation** [132, 474, 624, 1358, 1698, 2507, 3315]. **Diffraction** [220, 2174]. **Diffuse** [2070, 3068]. **Diffusion** [196, 255, 442, 452, 495, 561, 568, 599, 636, 697, 740, 761, 800, 841, 848, 946, 979, 1009, 1026, 1063, 1191, 1210, 1230, 1275, 1279, 1362, 1466, 1503, 1507, 1512, 1562, 1568, 1585, 1602, 1613, 1696, 1746, 1777, 1858, 1860, 1866, 1882, 1899, 1975, 1998, 2089, 2106, 2108, 2143, 2159, 2176, 2180, 2187, 2199, 2207, 2217, 2239, 2313, 2403, 2408, 2421, 2443, 2468, 2528, 2548, 2568, 2597, 2647, 2702, 2706, 2853, 2855, 2856, 2945, 2947, 2951, 2954, 2980, 3018, 3046, 3049, 3077, 3078, 3156, 3218, 3239, 3281, 3331, 3339, 3563, 3584, 3604, 3630, 3670, 3695, 3698, 3750, 3800, 3858, 3920, 4037, 4043, 4062]. **Diffusion** [247, 344, 392, 780, 786, 795, 830, 836, 846, 855, 909, 924, 1043, 1070, 1134, 1169, 1184, 1282, 1283, 1317, 1330, 1412, 1433, 1434, 1477, 1517, 1529, 1647, 1658, 1711,

1732, 1747, 1752, 1753, 1757, 1759, 1877, 1880, 1938, 1942, 1955, 1996, 2026, 2075, 2096, 2162, 2163, 2218, 2282, 2283, 2298, 2326, 2330, 2425, 2429, 2446, 2447, 2486, 2510, 2524, 2545, 2554, 2609, 2654, 2662, 2698, 2784, 2786, 2788, 2799, 2851, 2911, 2957, 2976, 3004, 3010, 3024, 3052, 3070, 3116, 3136, 3158, 3170, 3199, 3206, 3248, 3276, 3322, 3323, 3333, 3381, 3412, 3438, 3577, 3639, 3732, 3767, 3770, 3778, 3814, 3824, 3832, 3836, 3867, 3898, 3935, 3944, 3996, 4018, 4030]. **Diffusion** [52, 60, 97, 134, 142, 190, 437, 755, 781, 893, 971, 1460, 1536, 1544, 1902, 2141, 2734, 2928, 3026, 3096, 3251, 3262, 3280, 3761, 3828, 3861, 3919]. **Diffusion-** [3750]. **Diffusion-Dispersion** [830]. **Diffusion-Reaction** [836, 855, 893, 924, 946, 1210, 1602, 1613, 2282]. **Diffusion-Wave** [1184, 1477, 1512, 1880, 2554, 3323]. **Diffusions** [2355, 2373, 2621, 3555]. **Diffusive** [1921, 2724, 2848, 3333, 3481, 3501, 3558]. **Diffusivity** [1747]. **Digital** [250, 574]. **Dike** [999]. **dilation** [72]. **Dimension** [439, 555, 634, 1240, 1262, 1286, 1287, 1533, 1711, 1823, 1938, 2060, 2192, 2287, 2536, 2616, 2731, 3113, 3396, 3478, 3598, 3882, 3934]. **Dimensional** [212, 213, 219, 243, 249, 280, 293, 367, 369, 446, 478, 494, 496, 552, 594, 627, 649, 667, 672, 720, 730, 748, 800, 944, 988, 1031, 1066, 1076, 1077, 1156, 1157, 1161, 1165, 1228, 1232, 1261, 1312, 1362, 1411, 1413, 1512, 1521, 1528, 1568, 1608, 1610, 1659, 1664, 1702, 1710, 1768, 1812, 1873, 1875, 1897, 1919, 1920, 1978, 1997, 2099, 2180, 2181, 2214, 2288, 2308, 2319, 2328, 2329, 2364, 2368, 2375, 2443, 2496, 2530, 2565, 2580, 2618, 2619, 2678, 2691, 2788, 2797, 2870, 2890, 2944, 2979, 3082, 3093, 3103, 3295, 3324, 3338, 3424, 3447, 3505, 3665, 3696, 3749, 3841, 3914, 3920, 3951, 3992]. **Dimensional** [3, 7, 10, 15, 28, 52, 54, 56, 101, 158, 179, 191, 207, 260, 349, 404, 465, 617, 632, 635, 729, 746, 820, 827, 830, 1029, 1083, 1110, 1271, 1315, 1414, 1427, 1468, 1574, 1611, 1636, 1652, 1693, 1806, 1950, 1951, 1996, 2033, 2056, 2068, 2121, 2162, 2189, 2322, 2352, 2421, 2492, 2521, 2639, 2650, 2756, 2827, 2908, 2924, 3008, 3029, 3069, 3288, 3337, 3650, 3664, 3735, 3767, 3861, 3975, 3978, 3990, 3996, 4026]. **Dimensional-Splitting** [3767]. **Dimensional/Two** [2496]. **Dimensionality** [1923, 3473]. **Dimensions** [120, 199, 499, 507, 557, 571, 621, 625, 671, 714, 791, 1142, 1149, 1206, 1486, 1623, 1899, 2156, 2241, 2391, 2429, 2579, 2597, 2900, 2973, 3040, 3055, 3301, 3340, 3384, 3635, 3659]. **Dimer** [4017]. **Diode** [779, 1284]. **Dirac** [278, 283, 677, 1227, 1833, 1886, 2201, 2516, 2830, 3442, 3790]. **Dirac-Delta** [1886]. **Direct** [23, 32, 136, 169, 170, 186, 236, 298, 502, 531, 537, 610, 667, 741, 1070, 1218, 1320, 1565, 1765, 1775, 1942, 2040, 2042, 2224, 2581, 3117, 3323, 3364, 3481, 3584, 3967]. **Direction** [1022, 1307, 1387, 1421, 1510, 1549, 1551, 1568, 1702, 1861, 2124, 2348, 2402, 3065, 3395, 3460, 3529, 3700, 3865, 3870, 3973, 4024]. **Directional** [1650]. **Directly** [1198]. **Dirichlet** [796, 1516, 1527, 1553, 1562, 2061, 2468, 2751, 2873, 2982, 3147, 3206, 3732, 3740]. **DIRK** [2046]. **Disappearance** [1231]. **Discontinous** [2295]. **Discontinuities** [24, 256, 366, 374, 696, 1196, 1839, 2090, 2688, 4019]. **Discontinuity** [296, 2514, 2626, 3087, 3142, 3671, 3733, 3979]. **Discontinuity-Detecting** [2514]. **Discontinuous**

[288, 437–439, 441–443, 445, 446, 516, 526, 559, 614, 636, 649, 653, 660, 729, 769–771, 813, 839, 850, 896, 932, 975, 1045, 1047, 1072, 1155, 1162, 1175, 1210, 1234, 1286, 1287, 1295, 1362, 1392, 1401, 1435, 1533, 1552, 1567, 1577, 1631, 1664, 1745, 1760, 1832, 1849, 1874, 1875, 1919, 1922, 1968, 2011, 2014, 2052, 2074, 2176, 2196, 2231, 2233, 2235, 2237, 2281, 2287, 2336, 2364, 2415, 2467, 2470, 2475, 2536, 2671, 2705, 2798, 2823, 2850, 2967, 3028, 3150, 3226, 3232, 3345, 3403, 3584, 3694, 3706, 3739, 3909, 3952, 4009, 4029, 4071]. **Discontinuous** [301, 308, 322, 414, 447–449, 452, 519, 529, 531, 617, 671, 717, 723, 773, 775, 797, 802, 808, 883, 926, 974, 1009, 1079, 1097, 1180, 1241, 1245, 1261, 1306, 1348, 1418, 1419, 1472, 1487, 1528, 1569, 1576, 1585, 1667, 1713–1715, 1729, 1765, 1814, 1865, 1935, 1977, 2022, 2053, 2073, 2137, 2147, 2164, 2205, 2239, 2241, 2242, 2244, 2261, 2268, 2288, 2311, 2338, 2394, 2433, 2477, 2505, 2525, 2581, 2627, 2704, 2736, 2936, 3050, 3053, 3089, 3183, 3238, 3264, 3324, 3469, 3505, 3539, 3552, 3558, 3591, 3658, 3670, 3690, 3773, 3781, 3796, 3800, 3852, 3853, 3912, 3922, 3927, 3970, 4017, 4034]. **Discontinuous** [266, 294, 344, 450, 453–455, 513, 538, 603, 608, 634, 648, 777, 778, 788, 857, 861, 885, 887, 894, 1046, 1096, 1222, 1254, 1268, 1278, 1300, 1378, 1473, 1498, 1502, 1531, 1540, 1592, 1624, 1633, 1677, 1757, 1762, 1771, 1783, 1792, 1830, 1856, 1936, 1937, 1941, 1943, 1945, 1959, 1983, 2081, 2120, 2138, 2140, 2161, 2168, 2172, 2197, 2251, 2254, 2255, 2259, 2269, 2273, 2308, 2369, 2376, 2397, 2401, 2491, 2495, 2554, 2587, 2602, 2610, 2661, 2666, 2727, 2788, 2831, 2869, 2875, 2925, 2941, 2973, 3051, 3104, 3106, 3128, 3265, 3287, 3423, 3459, 3606, 3731, 3814, 3825, 3846, 3873, 3914, 3936, 3958, 3963, 4038]. **Discontinuous** [53, 89, 162, 287, 302, 394, 456, 457, 607, 687, 732, 733, 735, 758, 766, 779–781, 786, 820, 897, 904, 909, 981, 1013, 1070, 1108, 1134, 1158, 1181, 1197, 1247, 1281, 1319, 1342, 1388, 1410, 1434, 1655, 1658, 1747, 1810, 1947, 1948, 1950, 2122, 2198, 2218, 2257, 2322, 2419, 2513, 2524, 2531, 2546, 2556, 2562, 2566, 2632, 2652, 2758, 2826, 2906, 2924, 2930, 2989, 3026, 3113, 3151, 3190, 3277, 3302, 3303, 3335, 3455, 3498, 3536, 3567, 3577, 3597, 3624, 3738, 3867, 3934, 3967, 3998, 4018]. **Discovery** [3204]. **Discrepancies** [3942]. **Discrepancy** [1307, 1389]. **Discrete** [520, 525, 592, 599, 663, 773, 774, 804, 806, 1013, 1029, 1078, 1138, 1142, 1158, 1188, 1244, 1276, 1355, 1359, 1389, 1462, 1678, 1690, 1772, 1895, 1957, 2047, 2048, 2066, 2109, 2166, 2313, 2316, 2417, 2452, 2529, 2585, 2596, 2635, 2662, 2815–2817, 2886, 2895, 2916, 2981, 2984, 2986, 3007, 3045, 3111, 3129, 3151, 3159, 3227, 3327, 3331, 3389, 3435, 3440, 3443, 3455, 3464, 3466, 3475, 3523, 3529, 3547, 3548, 3579, 3600, 3654, 3656, 3699, 3766, 3865, 3871, 3989]. **Discrete-Velocity-Direction** [3529, 3865]. **Discretely** [666, 1388, 3758]. **Discretisation** [1571, 2312, 3721]. **Discretisations** [648, 861, 2259]. **Discretised** [3145]. **Discretizaitons** [3887]. **Discretization** [268, 314, 361, 425, 488, 520, 601, 708, 834, 921, 934, 982, 1019, 1026, 1098, 1241, 1245, 1310, 1328, 1348, 1386, 1419, 1429, 1578, 1613, 1667, 1673, 1687, 1688, 1695, 1784, 1912, 1988, 1994, 2203, 2224, 2236, 2263, 2414, 2563, 2688, 2781, 2782, 2947, 3024, 3140, 3158, 3206, 3230, 3299, 3335, 3384, 3458, 3516, 3643, 3693, 3859, 3921, 3926, 3963, 4041]. **Discretizations**

[136, 304, 346, 412, 439, 451, 483, 534, 739, 766, 909, 926, 1167, 1300, 1417, 1434, 1552, 1716, 1791, 1792, 1943, 1963, 1992, 2043, 2053, 2073, 2086, 2088, 2512, 2555, 2564, 2586, 2594, 2635, 2738, 2779, 2830, 2855, 3047, 3123, 3226, 3241, 3244, 3254, 3280, 3325, 3385, 3546, 3639, 3731, 3737, 3748, 3839, 3924, 3938, 4038]. **Discretized** [83, 1388, 1718, 1785, 1844, 1892, 2138, 3257, 3966]. **Discretizing** [2172]. **Discussion** [716]. **Diseases** [3909]. **DISH** [1725]. **Disk** [1506, 3130, 3221, 3913]. **Disk-Like** [3130]. **Dislocation** [3008]. **Disordered** [2978]. **Dispersion** [161, 266, 648, 660, 830, 1107, 1158, 1365, 1382, 1385, 1421, 2193, 2247, 2317, 2757, 2986, 3210, 3554]. **Dispersionless** [1239]. **Dispersive** [246, 447, 501, 516, 915, 942, 2234, 2336, 2339, 2636, 2758, 2823, 3002, 3253]. **Displacement** [1683, 1814, 2257, 2416, 2629, 2765, 2906]. **Displacements** [1948]. **Disposal** [1862]. **dissection** [136]. **Dissipating** [3836]. **Dissipation** [56, 227, 237, 407, 419, 590, 632, 636, 648, 764, 1107, 1158, 1170, 1382, 1385, 2179, 2200, 2382, 2457, 2859, 2986, 3011, 3060, 3210, 3247, 3342, 3554, 3596, 3613, 3662, 3827, 3984]. **Dissipation-Preserving** [2382, 3342]. **Dissipative** [516, 582, 591, 705, 2272, 2311, 2313, 2449, 2466, 2602, 3030, 3795, 3997]. **Distance** [187, 2037, 2093, 2444, 3037]. **distance-dependent** [187]. **Distances** [3978]. **Distinguish** [3785]. **Distorted** [1068, 1361, 2143, 3070, 3861, 4071]. **Distortions** [2634]. **Distributed** [108, 205, 652, 1485, 1568, 1702, 1763, 1860, 1902, 1988, 2041, 2159, 2162, 2429, 2702, 2732, 2802, 3049, 3780, 3917]. **Distributed-Order** [1568, 1702, 1860, 1902, 2429]. **Distribution** [88, 596, 783, 867, 954, 1377, 1403, 1893, 2084, 2163, 2356, 3179]. **Distributional** [2354]. **Distributionally** [3388]. **Distributions** [73, 1227, 3231]. **Distributive** [137, 1185]. **Disturbance** [3166, 3785]. **disturbances** [139]. **Div** [517, 1556, 1673, 2064, 2590, 2776, 2886, 3286, 3374, 3862]. **div-curl** [1673]. **Divergence** [22, 61, 303, 453, 614, 1052, 1289, 1559, 2022, 2063, 2064, 2161, 2244, 2289, 2331, 2381, 2703, 2834, 3075, 3196, 3244, 3448, 3540, 3625, 3680, 3874, 3886, 3992, 4005]. **Divergence-Conforming** [2703, 3540, 3886]. **Divergence-Free** [22, 303, 453, 614, 1052, 1559, 2064, 2381, 3075, 3448, 3992]. **Divergence/Connection** [3196]. **Divergency** [912]. **Diverse** [2378]. **DMP** [3861]. **DNS** [508]. **Does** [965]. **Domain** [33, 35, 62, 102, 108, 117, 126, 135, 190, 196, 201, 205, 245, 246, 251, 263, 291, 327, 336, 355, 365, 371, 509, 519, 520, 641, 703, 707, 725, 737, 760, 832, 863, 872, 896, 915, 1012, 1061, 1093, 1120, 1129, 1236, 1290, 1295, 1328, 1343, 1364, 1371, 1372, 1381, 1446–1448, 1454, 1521, 1608, 1644, 1680, 1703, 1763, 1764, 1844, 1873, 1959, 1988, 1990, 2004, 2180, 2207, 2292, 2350, 2461, 2516, 2532, 2630, 2708, 2762, 2769, 2805, 2948, 2981, 3021, 3161, 3196, 3213, 3269, 3309, 3326, 3422, 3516, 3568, 3575, 3654, 3701, 3722, 3772, 3790, 3803, 3845, 3854, 3869, 3916, 3919, 3949, 3953]. **domain** [156]. **Domains** [81, 98, 124, 155, 323, 432, 440, 469, 504, 553, 613, 746, 757, 762, 796, 805, 856, 978, 988, 1068, 1088, 1093, 1113, 1275, 1295, 1297, 1299, 1511, 1513, 1518, 1546, 1590, 1689, 1738, 1871, 1888, 1895, 1918, 2047, 2066, 2134, 2213, 2279, 2330, 2374, 2421, 2428, 2440, 2458, 2499, 2680, 2694, 2702, 2920, 2962,

3010, 3130, 3205, 3262, 3325, 3342, 3364, 3396, 3422, 3499, 3501, 3578, 3605, 3686, 3708, 3776, 3828, 3866, 3950, 3992, 4059]. **Dominance** [2770]. **Dominant** [2822, 3891]. **Dominated** [145, 288, 466, 789, 827, 924, 932, 971, 1013, 1207, 1605, 1825, 2010, 2106, 3670, 3929, 4038]. **Dose** [1793, 3969]. **Double** [637, 847, 1194, 2213, 2307, 2515, 2724, 2981, 3076, 3339, 3632, 3695, 3766, 4068]. **Double-Diffusion** [3339, 3695]. **Double-Layered** [2515]. **Double-Scale** [847]. **Doubling** [340]. **Doubly** [888]. **Douglas** [3720]. **Downscaling** [4030]. **downstream** [36]. **Downwind** [534]. **DP** [350]. **dPDEs** [1257]. **DPG** [1866]. **Dramatic** [2992]. **Drift** [2403, 2911, 3814]. **Drinfel'd** [2860]. **Driven** [211, 524, 537, 1187, 1395, 1699, 1700, 1732, 1994, 2081, 2493, 2717, 2815, 2863, 3011, 3118, 3193, 3343, 3412, 3414, 3452, 3528, 3555]. **Droplet** [200, 692]. **Dry** [1179, 2737, 2764, 3014, 3211, 3289, 3628]. **Drying** [439, 985]. **DtN** [2174]. **Dual** [408, 416, 661, 892, 1278, 1364, 1637, 1731, 1914, 2045, 2067, 2083, 2114, 2170, 2292, 2343, 2484, 2500, 2515, 2532, 2659, 2768, 2813, 2824, 3021, 3359, 3516, 3525, 3569, 3585, 3673, 3747, 3806, 3855, 3891, 4044]. **Dual-Level** [408, 416]. **Dual-Permeability** [4044]. **Dual-Petrov** [661]. **Dual-Phase-Lag** [2813]. **Dual-Phase-Lagging** [2515]. **Dual-Porosity** [3516]. **Dual-porosity-Navier** [3021]. **Dual-Porosity-Stokes** [2343]. **Dual-Time** [2500]. **Dual-Weighted** [3806]. **Dual-Wind** [1278]. **Duality** [147, 569, 951, 3441, 3457, 3637]. **Duality-Gap** [3637]. **Due** [955]. **DWR** [3078]. **DWR-Type** [3078]. **Dyadic** [1841]. **Dynamic** [40, 235, 298, 512, 751, 989, 1140, 1415, 1567, 1721, 2002, 2372, 2378, 2400, 2588, 2939, 3125, 3193, 3519, 3548, 4048]. **Dynamical** [17, 120, 129, 491, 497, 682, 1117, 1339, 1580, 1642, 2095, 2772, 3118, 3131, 3140, 3179, 3227, 3399, 3452, 3588, 3638, 3640, 3653, 4041, 4066]. **Dynamically** [615]. **Dynamics** [8, 27, 46, 68, 103, 296, 298, 347, 619, 667, 685, 743, 825, 895, 973, 1127, 1133, 1270, 1271, 1374, 1394, 1431, 1600, 1869, 1904, 1973, 2064, 2121, 2212, 2518, 3164, 3235, 3504, 3692, 3823, 3940, 4002, 4020, 4068]. **dynamo** [121].

**Early** [859]. **Earth** [1965, 2037]. **Earthquake** [1140]. **Eddy** [55, 112, 151, 179, 232, 320, 431, 524, 539, 583, 847, 880, 959, 963, 965, 1578, 1737, 2720, 3110, 3819, 3961]. **EDG** [3442]. **Edge** [559, 564, 784, 913, 1003, 1031, 1036, 1338, 1351, 2051, 2303, 2509, 2649, 2714, 3257, 3358, 3620]. **Edges** [693, 1483, 1819, 1990, 2071, 2410, 2882, 3055, 3088, 3688, 3804]. **Editorial** [85]. **Effect** [434, 623, 960, 1787, 2579, 3574]. **Effective** [1960, 2382, 2707, 2928, 3185, 3719]. **Effectively** [3395]. **Effects** [177, 195, 230, 243, 248, 310, 423, 472, 572, 1688, 1796, 2260]. **Efficiency** [152, 3139, 3351, 4071]. **Efficient** [9, 61, 109, 512, 520, 629, 642, 643, 664, 689, 722, 752, 817, 832, 869, 914, 984, 1006, 1027, 1046, 1121, 1126, 1130, 1145, 1171, 1216, 1222, 1241, 1257, 1330, 1360, 1384, 1389, 1398, 1525, 1538, 1643, 1652, 1667, 1770, 1783, 1831, 1839, 1841, 1846, 1973, 2036, 2042, 2128, 2179, 2182, 2204, 2314, 2339, 2371, 2389, 2396, 2409, 2460, 2486, 2510, 2541, 2552, 2613, 2614, 2717, 2835, 2852, 2874, 2894, 2927, 2968, 2975, 3058, 3060, 3068, 3077, 3078, 3099, 3132, 3133, 3143, 3207, 3211, 3271, 3333, 3353, 3405,

3424, 3443, 3482, 3513, 3546, 3555, 3604, 3678, 3684, 3838, 3876, 3922, 3951, 3961].
**Efficient**
[13, 194, 582, 902, 1871, 1906, 1914, 2109, 2226, 2377, 2429, 2469, 2472, 2518, 2710, 2789, 2971, 3298, 3386, 3413, 3419, 3538, 3685, 3799, 3828, 3835, 3895, 3999].
**Efficiently** [3527]. **Eigen** [794]. **Eigen-Problems** [794]. **Eigenfunctions** [1811, 2065, 2511, 3043]. **Eigenmodes** [1139]. **Eigenpair** [1049, 3180].
**Eigenpairs** [3675]. **Eigenproblem** [48, 769, 2550]. **Eigensolution** [1423].
**Eigensolver** [3257]. **Eigensolvers** [768]. **Eigenspace** [1563]. **Eigenvalue** [517, 870, 871, 1029, 1126, 1153, 1224, 1225, 1298, 1422, 1639, 1730, 1741, 1755, 1775, 1867, 1908, 2015, 2036, 2079, 2087, 2191, 2204, 2220, 2270, 2304, 2305, 2357, 2385, 2459, 2538, 2589, 2631, 2744, 2753, 2882, 2932, 3000, 3023, 3086, 3122, 3205, 3263, 3308, 3352, 3354, 3355, 3371, 3410, 3413, 3418, 3509, 3561, 3599, 3606, 3646, 3722, 3751, 3759, 3772, 3801, 3858, 3891, 3918]. **Eigenvalues** [13, 612, 624, 724, 1060, 1157, 1249, 1325, 1357, 1479, 1598, 1620, 1654, 1720, 1811, 1908, 2080, 2576, 2578, 3377, 3567, 3578]. **eigenvectors** [13, 93]. **Eikonal** [395, 1057, 1354, 1607, 2522, 2678, 3135, 3848]. **Einfeldt** [2926]. **Einstein** [734, 1420, 1910, 2485, 3413]. **EL-RK-FV** [4055]. **Elastic** [510, 518, 658, 698, 823, 1044, 1187, 1610, 1714, 1784, 1816, 2122, 2909, 2936, 3354, 3475, 3776, 3801, 3810, 3988]. **Elastica** [1215, 3074]. **Elasticity** [499, 518, 545, 858, 919, 983, 1005, 1180, 1240, 1350, 1427, 1504, 1540, 2556, 2776, 3190, 3202, 3249, 3299, 3437, 3454, 3470, 3530, 3542, 3688, 3764, 3831].
**Elastodynamics** [1631, 1885, 2252]. **Elastoplasticity** [330]. **Elastostatic** [1838]. **Electric** [1446, 1841, 2883, 2915]. **Electrical** [2690, 3063, 3760, 4008].
**Electro** [1326]. **Electro-osmotic** [1326]. **Electrochemical** [3448].
**Electrochemistry** [253, 2773]. **Electrodynamics** [1829].
**Electrohydrodynamic** [3618, 4011]. **Electrolytes** [1084].
**Electrolytes/Dielectrics** [1084]. **Electromagnetic** [244, 246, 260, 366, 401, 413, 414, 423, 560, 878, 888, 1092, 1771, 2769, 2819, 3039, 3148, 3686, 3703, 3708, 3896]. **Electromagnetics** [331, 444, 557, 1222].
**Electromigration** [720]. **Electron** [220, 825, 1359, 2441, 2529, 2731].
**Electronic** [335, 1153, 1565]. **Electrons** [424]. **Electrostatic** [1084].
**Element** [242, 312, 345, 358, 437, 439, 495, 497, 499, 516, 521–524, 526, 601, 653, 659, 679, 709, 720, 763, 811, 822, 839, 896, 931, 979, 1063, 1144, 1151, 1155, 1165, 1225, 1237, 1274, 1293, 1386, 1402, 1424, 1480, 1641, 1659, 1692, 1723, 1805, 1836, 1853, 1860, 1912, 1954, 2183, 2191, 2196, 2219, 2228, 2233, 2234, 2270, 2289, 2290, 2393, 2445, 2537, 2553, 2646, 2675, 2725, 2733, 2743, 2916, 2951, 2982, 3034, 3038, 3048, 3055, 3103, 3125, 3178, 3198, 3224, 3244, 3255, 3270, 3301, 3339, 3448, 3548, 3635, 3688, 3695, 3737, 3746, 3749, 3762, 3839, 3917, 3950, 4040, 4071]. **Element** [290, 301, 305, 308, 322, 329, 352, 447, 464, 510, 530, 531, 717, 773, 793, 802, 853, 899, 976, 1054, 1097, 1141, 1153, 1173, 1214, 1227, 1240, 1249, 1325, 1340, 1437, 1515, 1524, 1553–1555, 1656, 1698, 1730, 1734, 1876, 1881, 1885, 1894, 1911, 1969, 1972, 1992, 2013, 2015, 2053, 2180, 2193, 2199, 2209, 2210, 2245, 2248, 2328, 2329, 2349, 2390, 2523, 2534, 2548, 2596, 2601, 2701, 2780, 2813, 2818, 2843, 2847, 2862, 2895, 2928, 2959, 3022, 3049, 3089, 3094, 3096, 3156, 3168, 3183, 3185, 3239, 3273,

3281, 3283, 3516, 3521, 3569, 3618, 3648, 3653, 3669, 3748, 3831, 3866, 3896, 3922, 3971, 3980, 3992, 4044, 4047, 4061, 4064]. **Element** [200, 294, 334, 355, 406, 460, 469, 513, 518, 540, 608, 633, 637, 654, 725, 728, 777, 845, 857, 908, 1066, 1114, 1207, 1222, 1273, 1306, 1324, 1441, 1475, 1498, 1501, 1502, 1537, 1548, 1571, 1749, 1756, 1801, 1856, 1862, 1888, 1915, 1934, 1958, 1966, 1983, 1994, 2120, 2249, 2253, 2282, 2299, 2301, 2342, 2345, 2397, 2476, 2506, 2517, 2530, 2532, 2565, 2680, 2684, 2691, 2703, 2708, 2720, 2741, 2767, 2795, 2811, 2875, 2882, 2941, 2977, 3020, 3039, 3119, 3140, 3144, 3155, 3192, 3194, 3200, 3254, 3282, 3308, 3317, 3328, 3423, 3432, 3464, 3522, 3551, 3565, 3583, 3639, 3646, 3661, 3697, 3705, 3764, 3778, 3825, 3869, 3897, 4034]. **Element** [266, 279, 315, 321, 325, 349, 351, 354, 394, 455, 465, 491, 541, 547, 549, 687, 700, 733, 827, 846, 891, 918, 1012, 1146, 1154, 1187, 1195, 1211, 1226, 1233, 1310, 1346, 1357, 1398, 1417, 1442, 1491, 1511, 1601, 1630, 1644, 1673, 1699, 1739, 1742, 1753, 1784, 1826, 1838, 1847, 1880, 1988, 2012, 2087, 2114, 2152, 2255, 2273, 2344, 2346, 2426, 2463, 2509, 2574, 2625, 2631, 2637, 2662, 2672, 2673, 2739, 2745, 2765, 2800, 2864, 2899, 2906, 2907, 3190, 3202, 3228, 3279, 3293, 3321, 3354, 3358, 3364, 3431, 3451, 3494, 3518, 3566, 3622, 3732, 3757, 3767, 3777, 3792, 3843, 3877, 3888, 3925, 3926, 3956, 3974, 4054, 4060]. **Element** [26, 27, 30, 34, 47, 52, 76, 86, 136, 143, 159, 190, 755, 759, 805, 824, 1069, 1482, 1751, 1752, 2126, 2174, 2419, 2475, 2512, 2670, 2715, 2729, 2734, 2851, 2887, 3075, 3147, 3249, 3305, 3804, 3874, 3993]. **Element-by-Element** [526]. **Element-Characteristic** [1862]. **Element-Free** [3583]. **element/Newton** [164]. **Element/Operator** [2328, 2329, 2530]. **Element/Operator-Splitting** [2328, 2329, 2530]. **Elements** [14, 330, 350, 438, 466, 547, 751, 757, 821, 847, 867, 869, 919, 983, 998, 1018, 1058, 1161, 1213, 1245, 1334, 1351, 1353, 1399, 1467, 1470, 1486, 1556, 1603, 1604, 1717, 1738, 1971, 2026, 2044, 2051, 2252, 2296, 2303, 2334, 2369, 2482, 2597, 2640, 2792, 2909, 2958, 3083, 3109, 3219, 3257, 3337, 3374, 3454, 3511, 3560, 3703]. **Ellipse** [2049]. **Elliptic** [421, 440, 496, 724, 754, 975, 1047, 1060, 1064, 1086, 1122, 1126, 1145, 1155, 1161, 1162, 1167, 1192, 1193, 1201, 1209, 1249, 1261, 1263, 1274, 1293–1295, 1299, 1306, 1325, 1369, 1424, 1513, 1554, 1555, 1573, 1577, 1620, 1643, 1716, 1741, 1760, 1765, 1801, 1802, 1876, 1900, 1954, 2015, 2022, 2041, 2045, 2047, 2063, 2066, 2082, 2181, 2215, 2241, 2306, 2312, 2328, 2329, 2345, 2390, 2452, 2458, 2483, 2534, 2565, 2569, 2611, 2653, 2661, 2733, 2811, 2843, 2892, 2932, 2982, 3038, 3040, 3103, 3114, 3117, 3168, 3178, 3182, 3301, 3410, 3456, 3492, 3560, 3661, 3737, 3739, 3755, 3837, 3844, 3878, 3917, 3929, 3958, 4034, 4038, 4064]. **Elliptic** [88, 105, 171, 182, 333, 700, 741, 778, 897, 1108, 1109, 1195, 1308, 1319, 1372, 1516, 1582, 1588, 1635, 1704, 1740, 1785, 1797, 2012, 2115, 2168, 2318, 2340, 2367, 2428, 2455, 2666, 2694, 2745, 2841, 2845, 2864, 2920, 2925, 3097, 3200, 3293, 3364, 3538, 3566, 3625, 3680, 3717, 3902, 3993, 4058]. **Elliptical** [413, 2762, 3759]. **Elongated** [4045]. **ELPIC** [168]. **Embedded** [246, 762, 787, 1827, 2468, 2656, 2915, 2958, 3232, 3674, 3690, 3694]. **Embedded-Hybridizable** [3694]. **Embedded-Hybridized** [3690]. **Embedding** [2319, 3373]. **EMI** [3769]. **Emission** [1008]. **Empirical** [3272]. **Employing** [609]. **Enclosures** [2809, 4045]. **Endpoint** [3611]. **Energies**

[3905]. **Energy** [68, 103, 450, 552, 590, 666, 667, 917, 969, 1018, 1065, 1255, 1277, 1282, 1283, 1370, 1431, 1441, 1487, 1495, 1516, 1678, 1710, 1718, 1724, 1772, 1796, 1834, 1868, 1906, 1945, 1975, 2048, 2070, 2172, 2177, 2178, 2192, 2310, 2311, 2336, 2406, 2438, 2439, 2456, 2466, 2474, 2512, 2602, 2633, 2683, 2685, 2723, 2793, 2833, 2835, 2858, 2859, 2913, 2927, 2955, 2973, 3011, 3030, 3056, 3068, 3082, 3149, 3151, 3154, 3201, 3207, 3212, 3233, 3247, 3248, 3275, 3406, 3408, 3431, 3451, 3487, 3515, 3544, 3559, 3579, 3615, 3618, 3652, 3707, 3709, 3721, 3740, 3741, 3807, 3827, 3836, 3856, 3882, 3906, 3913, 3922, 3946, 3956, 3965, 3984, 3997, 4002, 4011, 4064]. **Energy** [1788, 2940, 3085]. **Energy-Based** [3154, 3431]. **Energy-Conserved** [3082]. **Energy-Conserving** [2336, 2633]. **Energy-Dissipating** [3836]. **Energy-Law** [3906]. **Energy-Norm** [3248]. **Energy-Optimized** [3997]. **Energy-Preserving** [1868, 2438, 2858, 3207, 3408]. **Energy-Stable** [552, 1678, 1724, 3451, 3741, 3856]. **Enforced** [2246, 2483]. **Enforcement** [994]. **Enforcing** [1003, 3383, 4032]. **Engine** [381]. **Engineering** [3724]. **Enhanced** [561, 735, 1478, 1532, 1732, 1928, 1933, 1990, 2507, 3062, 3416, 3514, 3641, 3850, 3979]. **Enhancement** [1118, 2157, 2844, 3302, 3747]. **Enhancing** [3318, 3526, 3535, 3760, 3910]. **ENO** [69, 70, 186, 269, 559, 580, 620, 999, 1758, 2580, 3420, 3525]. **ENO-Based** [999]. **ENO-Like** [3525]. **Enriched** [1399, 2010, 2238, 2666, 2668, 3402, 3820]. **Enrichment** [1865]. **Ensemble** [1430, 1565, 2399, 3393, 3417]. **Ensembles** [1991, 2400, 3393]. **Enstrophy** [65]. **Ensures** [3440]. **Entangled** [3126]. **enthalpy** [71]. **Entries** [1186]. **Entropic** [604]. **Entropy** [26, 311, 319, 417, 617, 666, 667, 804, 922, 961, 1059, 1229, 1378, 1406, 1458, 1558, 1593, 1677, 1823, 2076, 2113, 2123, 2205, 2293, 2386, 2394, 2401, 2417, 2467, 2498, 2555, 2586, 2587, 2632, 2779, 2816, 2967, 2983, 3084, 3112, 3195, 3264, 3312, 3385, 3394, 3461, 3505, 3529, 3643, 3699, 3706, 3711, 3754, 3773, 3779, 3782, 3865, 3912, 4005, 4012]. **Entropy-Preserving** [3312]. **Entropy-Production-Rate-Preserving** [4012]. **Entropy-Stable** [1229, 2555, 2586, 2779, 2967, 3084, 3312]. **Entropy-TVD** [922, 1823]. **Envelope** [29, 79, 3163]. **Environment** [1679]. **Environments** [229, 1123]. **EOP** [3997]. **EOP-SAV** [3997]. **EP3** [2985, 2995]. **Epidemic** [1903]. **Epidemiology** [3401, 3497]. **EPIRK** [2263]. **EPIRK-K** [2263]. **EPIRK-W** [2263]. **Epitaxial** [1840, 2314, 2456, 3149, 3311]. **Equal** [772, 1502, 3150, 4044]. **Equal-Order** [772, 4044]. **Equality** [2265, 2777, 3164, 3798]. **Equalizing** [2774]. **Equation** [196, 338, 340, 358, 422, 448, 464, 482, 495, 497, 504, 516, 563, 601, 624, 722, 868, 929, 931, 966, 980, 984, 1026, 1050, 1144, 1151, 1286, 1287, 1374, 1446, 1512, 1528, 1576, 1590, 1682, 1712, 1716, 1724, 1822, 1833, 1858, 1866, 1873, 1921, 1922, 1997, 2007, 2044, 2099, 2133, 2136, 2143, 2169, 2175, 2180, 2181, 2228, 2239, 2287, 2336, 2341, 2359, 2380, 2391, 2536, 2541, 2553, 2705, 2709, 2712, 2781, 2833, 2836, 2871, 2918, 2929, 2947, 3033, 3055, 3114, 3125, 3183, 3234, 3236, 3297, 3304, 3306, 3397, 3531, 3541, 3615, 3656, 3746, 3749, 3795, 3807, 3966, 3970, 3989, 4007, 4016, 4040]. **Equation** [255, 324, 369, 399, 600, 642, 643, 665, 683, 705, 717, 743, 774, 802, 803, 830, 900, 974, 977, 1054, 1076, 1078, 1100, 1245, 1330, 1335, 1347, 1368, 1418, 1460, 1487, 1510, 1878, 1882, 1977, 1979, 2017, 2070, 2083, 2100, 2166, 2178, 2224,

2248, 2261, 2324, 2328, 2392, 2438, 2451, 2474, 2517, 2530, 2596, 2599, 2602, 2603, 2654, 2678, 2691, 2697, 2727, 2755, 2756, 2775, 2799, 2829, 2856, 2858, 2860, 2866, 2878, 2928, 2935, 2981, 2991, 3046, 3049, 3056, 3071, 3130, 3135, 3156, 3197, 3208, 3275, 3365, 3383, 3422, 3493, 3506, 3523, 3576, 3641, 3692, 3698, 3705, 3710, 3719, 3790, 3800, 3845, 3846, 3898, 3923, 3971, 3977, 3984, 4037]. **Equation** [239, 394, 608, 779, 799, 912, 953, 1044, 1080, 1082, 1095, 1098, 1114, 1143, 1184, 1187, 1273, 1303, 1366, 1429, 1484, 1529, 1601, 1603, 1604, 1633, 1647, 1666, 1739, 1747, 1780, 1798, 1808, 1844, 1868, 1870, 1880, 1887, 1891, 1945, 1958, 2003, 2026, 2039, 2061, 2092, 2132, 2140, 2151, 2154, 2179, 2208, 2226, 2274, 2346, 2347, 2352, 2426, 2437, 2461, 2486, 2487, 2492, 2504, 2516, 2522, 2544, 2566, 2662, 2669, 2770, 2828, 2864, 2913, 2984, 3020, 3024, 3107, 3111, 3136, 3228, 3315, 3474, 3487, 3490, 3508, 3679, 3691, 3767, 3771, 3777, 3832, 3868, 3869, 3908, 3914, 3935, 3941, 3956, 3996, 4038, 4042, 4054, 4069]. **Equation** [10, 52, 60, 87, 158, 165, 167, 183, 240, 260, 700, 733, 820, 970, 1013, 1067, 1071, 1110, 1260, 1315, 1342, 1352, 1372, 1376, 1387, 1477, 1596, 1636, 1655, 1697, 1751, 2058, 2087, 2162, 2189, 2203, 2237, 2298, 2320–2322, 2329, 2362, 2384, 2440, 2481, 2600, 2609, 2652, 2710, 2754, 2771, 2786, 2793, 2801, 2808, 2812, 2838, 2859, 2873, 2893, 2940, 2978, 3004, 3029, 3085, 3113, 3151, 3154, 3158, 3206, 3213, 3335, 3453, 3534, 3561, 3575, 3577, 3579, 3589, 3754, 3828, 3830, 3841, 3861, 3934, 3947, 4068]. **equation-** [158]. **Equations** [264, 268, 331, 343, 374, 412, 421, 439, 520, 552, 554, 557, 558, 591, 697, 816, 832, 839, 936, 967, 1025, 1068, 1138, 1145, 1159, 1163, 1165, 1179, 1192, 1237, 1311, 1350, 1492, 1519, 1521, 1526, 1552, 1613, 1645, 1659, 1665, 1670, 1680, 1709, 1719, 1725, 1750, 1803, 1805, 1860, 1874, 1890, 2069, 2089, 2101, 2192, 2212, 2216, 2234, 2235, 2294, 2337, 2364, 2434, 2436, 2499, 2570, 2595, 2618, 2675, 2724, 2752, 2782, 3066, 3079, 3103, 3209, 3235, 3244, 3339, 3349, 3417, 3503, 3520, 3562, 3563, 3623, 3630, 3649, 3695, 3706, 3718, 3736, 3762, 3769, 3829, 3900, 4005, 4070]. **Equations** [202, 212, 213, 263, 274, 308, 327, 409, 446, 528, 613, 614, 664, 712, 753, 754, 761, 772, 874, 979, 988, 1014, 1039, 1056, 1152, 1168, 1175, 1189, 1219, 1279, 1313, 1369, 1375, 1411, 1466, 1507, 1518, 1634, 1696, 1723, 1746, 1774, 1823, 1824, 1832, 1843, 1849, 1923, 1926, 1927, 1972, 2008, 2048, 2106, 2164, 2206, 2272, 2312, 2375, 2407, 2408, 2421, 2427, 2443, 2464, 2470, 2525, 2528, 2567, 2588, 2630, 2689, 2726, 2733, 2797, 2943, 2946, 2982, 3014, 3137, 3198, 3230, 3245, 3255, 3259, 3277, 3360, 3368, 3448, 3544, 3584, 3590, 3602, 3672, 3730, 3773, 3809, 3817, 3889, 3904, 3953, 3981, 3985, 4009]. **Equations** [215, 249, 262, 265, 290, 420, 532, 671, 701, 731, 740, 744, 797, 853, 926, 946, 976, 1028, 1064, 1173, 1191, 1235, 1241, 1246, 1251, 1261, 1269, 1304, 1355, 1530, 1535, 1542, 1559, 1568, 1694, 1695, 1702, 1708, 1714, 1718, 1734, 1736, 1765, 1768, 1787, 1892, 1894, 1899, 1902, 1931, 1962, 2009, 2010, 2019, 2082, 2098, 2110, 2173, 2185, 2186, 2199, 2209, 2210, 2215, 2241, 2244, 2245, 2332, 2349, 2396, 2423, 2433, 2527, 2539, 2702, 2718, 2840, 2847, 2895, 2933, 2938, 2945, 2959, 3022, 3040, 3096, 3184, 3256, 3264, 3269, 3283, 3340, 3429, 3446, 3510, 3528, 3571, 3603, 3653, 3654, 3670, 3690, 3709, 3837, 3848, 3866, 3938]. **Equations** [453, 479, 519, 536, 568, 593, 597, 620, 747, 783, 787, 800, 843, 848, 885, 915, 1033,

1059, 1086, 1198, 1312, 1344, 1363, 1451, 1455, 1465, 1474, 1562, 1572, 1592, 1710, 1726, 1748, 1756, 1759, 1789, 1821, 1830, 1845, 1935, 1957, 1981, 2002, 2043, 2063, 2066, 2100, 2135, 2172, 2250, 2277, 2291, 2295, 2308, 2361, 2388, 2399, 2406, 2412, 2476, 2477, 2554, 2569, 2627, 2633, 2663, 2681, 2697, 2704, 2738, 2746, 2780, 2790, 2804, 2825, 2830, 2837, 2877, 2879, 2889, 2915, 2917, 2954, 2983, 3052, 3054, 3155, 3174, 3222, 3247, 3294, 3328, 3353, 3355, 3369, 3375, 3391, 3428, 3433, 3438, 3442, 3560, 3651, 3677, 3696, 3697, 3750, 3820, 3875, 3881, 3924, 3963, 4022].
**Equations** [219, 333, 341, 368, 572, 589, 622, 628, 686, 694, 702, 728, 741, 756, 788, 891, 894, 928, 954, 1012, 1057, 1317, 1324, 1380, 1406, 1417, 1475, 1501, 1517, 1537, 1591, 1609, 1635, 1677, 1711, 1749, 1790, 1796, 1852, 1898, 1999, 2020, 2075, 2081, 2113, 2124, 2130, 2161, 2251, 2255, 2344, 2354, 2404, 2420, 2454, 2493, 2543, 2610, 2621, 2638, 2644, 2660, 2672, 2684, 2693, 2695, 2698, 2711, 2742, 2788, 2820, 2828, 2865, 2911, 2969, 2973, 2992, 3035, 3082, 3087, 3220, 3282, 3287, 3289, 3292, 3323, 3333, 3347, 3363, 3384, 3476, 3485, 3500, 3501, 3519, 3667, 3715, 3721, 3778, 3815, 3833, 3854, 3873, 3892, 3911, 3944, 3995]. **Equations** [261, 395, 426, 580, 607, 630, 648, 651, 707, 742, 810, 815, 851, 861, 957, 1001, 1051, 1091, 1104, 1112, 1133, 1146, 1185, 1206, 1229, 1262, 1339, 1349, 1354, 1384, 1412, 1414, 1433, 1440, 1452, 1461, 1484, 1544, 1561, 1593, 1607, 1632, 1658, 1753, 1762, 1779, 1943, 1959, 1993, 2051, 2076, 2115, 2141, 2303, 2326, 2360, 2363, 2382, 2472, 2490, 2498, 2531, 2577, 2590, 2592, 2616, 2632, 2769, 2784, 2846, 2869, 2924, 2957, 2976, 3002, 3025, 3041, 3070, 3098, 3170, 3199, 3276, 3279, 3309, 3316, 3334, 3362, 3370, 3389, 3394, 3427, 3537, 3538, 3553, 3556, 3592, 3663, 3693, 3725, 3735, 3808, 3901, 3926, 3949, 3962, 3968, 4026]. **Equations** [9, 23, 44, 90, 127, 138, 142, 163, 190, 192, 218, 302, 398, 579, 661, 795, 805, 849, 890, 893, 925, 999, 1043, 1069, 1070, 1083, 1093, 1134, 1169, 1197, 1271, 1322, 1442, 1491, 1536, 1615, 1616, 1618, 1619, 1686, 1740, 1752, 1785, 1863, 1909, 1950, 1951, 1955, 1971, 1996, 2005, 2086, 2145, 2188, 2198, 2218, 2367, 2370, 2429, 2512, 2545, 2585, 2612, 2639, 2674, 2729, 2758, 2839, 2845, 2867, 2886, 2930, 2971, 3006, 3013, 3026, 3032, 3061, 3075, 3081, 3147, 3225, 3240, 3251, 3280, 3321, 3381, 3386, 3408, 3444, 3461, 3498, 3518, 3625, 3634, 3680, 3702, 3711, 3761, 3779, 3783, 3792, 3836, 3910, 3919, 3925, 3932, 4021].
**equations**
[18, 41, 56, 63, 67, 101, 105, 113, 136, 164, 180, 193, 1174, 1378, 2974, 3115, 3172].
**Equiareal** [2310]. **Equilibrated** [1419, 2053, 2597, 2640]. **Equilibration** [1602]. **Equilibria** [957, 2266, 2407, 3498, 3593]. **Equilibrium** [712, 1695, 1712, 2361, 2686, 2975, 3463, 3532, 3582, 3952, 3953]. **Equivalent** [595, 1399, 2693]. **ERBA** [3143]. **Ergodic** [873, 2323]. **erosion** [72]. **Erratum** [416, 854, 855, 1019–
1021, 1042, 1094, 1095, 1283, 1445, 1555, 1604, 1663, 1672, 1675]. **Error** [95, 264, 415, 442, 443, 464, 504, 649, 695, 726, 729, 740, 767, 774, 802, 822, 834, 933, 974, 992, 1035, 1048, 1055, 1162, 1173, 1251, 1274, 1286, 1287, 1294, 1362, 1374, 1419, 1466, 1522, 1533, 1535, 1553, 1576, 1577, 1602, 1664, 1682, 1683, 1698, 1728, 1835, 1911, 1926, 1954, 1995, 2036, 2074, 2176, 2196, 2219, 2245, 2261, 2290, 2305, 2414, 2443, 2462, 2572, 2597, 2614, 2640, 2646, 2675, 2743, 2792, 2796, 2813, 2878, 2916, 2918, 2932, 2952, 3034, 3050, 3078, 3196, 3246, 3297, 3318, 3339, 3357,

3368, 3416, 3448, 3486, 3554, 3578, 3594, 3627, 3736, 3739, 3746, 3762, 3878, 3920, 3954, 3970, 4043]. **Error** [273, 290, 295, 418, 450, 456, 467, 477, 608, 648, 652, 778, 803, 815, 909, 963, 1009, 1202, 1262, 1303, 1407, 1436, 1441, 1461, 1498, 1501, 1520, 1588, 1601, 1626, 1630, 1699, 1706, 1729, 1756, 1856, 1879, 1975, 2132, 2135, 2154, 2168, 2259, 2273, 2296, 2344, 2347, 2358, 2363, 2376, 2413, 2426, 2435, 2441, 2476, 2516, 2523, 2610, 2650, 2662, 2663, 2669, 2672, 2673, 2680, 2721, 2830, 2859, 2910, 2979, 2984, 3020, 3052, 3097, 3116, 3119, 3122, 3129, 3144, 3145, 3173, 3248, 3295, 3311, 3315, 3375, 3405, 3423, 3428, 3442, 3466, 3474, 3490, 3522, 3641, 3661, 3677, 3692, 3705, 3755, 3802, 3875, 3911, 3996, 4042, 4058]. **Error** [38, 79, 500, 582, 647, 971, 1067, 1070, 1109, 1135, 1211, 1260, 1434, 1536, 1971, 2218, 2298, 2419, 2481, 2485, 2600, 2641, 2670, 2754, 2808, 2838, 2919, 3006, 3032, 3061, 3113, 3147, 3335, 3344, 3515, 3518, 3530, 3577, 3589, 3611, 3614, 3685, 3860, 3903, 3925, 3934, 3940, 3945, 4026, 4068]. **Error-Correcting** [3295]. **Error-Estimator-Based** [418]. **Error-Landscape** [963]. **Errors** [61, 195, 586, 887, 1079, 1107, 1158, 1915, 4031]. **Escape** [1081]. **ESDIRK** [2615]. **Essential** [2997, 3878]. **Essentially** [675, 928, 1030, 1077, 1448, 1584, 1594, 1825, 1884, 1979, 2098, 2478, 2747, 3404, 3929]. **Estimate** [442, 443, 1109, 1262, 1588, 2413, 2441, 2600, 2625, 2672, 2754, 2916, 3020, 3246, 3311, 3641, 3755, 3920, 3934, 3940]. **Estimates** [262, 290, 464, 590, 652, 695, 726, 740, 774, 778, 802, 815, 822, 909, 1009, 1035, 1055, 1128, 1162, 1173, 1211, 1274, 1294, 1434, 1454, 1461, 1498, 1501, 1535, 1536, 1553, 1577, 1630, 1682, 1683, 1729, 1756, 1848, 1911, 1954, 1995, 2074, 2135, 2168, 2176, 2215, 2218, 2261, 2298, 2305, 2363, 2426, 2485, 2564, 2610, 2614, 2646, 2650, 2662, 2669, 2670, 2673, 2675, 2680, 2743, 2813, 2830, 2838, 2859, 2892, 2919, 2932, 2979, 3006, 3032, 3061, 3113, 3116, 3122, 3129, 3147, 3173, 3297, 3305, 3335, 3357, 3368, 3416, 3423, 3442, 3448, 3474, 3490, 3518, 3563, 3577, 3594, 3611, 3661, 3705, 3762, 3802, 3878, 3903, 3945, 3970, 3996]. **estimates** [31]. **Estimating** [2507]. **Estimation** [162, 295, 367, 384, 450, 456, 477, 729, 736, 803, 834, 992, 1127, 1202, 1265, 1287, 1362, 1419, 1436, 1520, 1602, 1626, 2009, 2219, 2273, 2347, 2523, 2576, 2663, 3237, 3561, 3578, 3581, 3627, 3746, 3747, 3815]. **Estimator** [418, 647, 1466, 1533, 1835, 2597, 2640, 3050]. **Estimators** [273, 295, 1441, 2358, 3806, 3954, 4026]. **ETDRK32** [3787]. **Euler** [18, 36, 44, 56, 261, 274, 630, 677, 705, 742, 865, 925, 945, 953, 1011, 1083, 1138, 1215, 1229, 1286, 1287, 1451, 1452, 1552, 1592, 1598, 1612, 1616, 1632, 1645, 1695, 1789, 1796, 1824, 1832, 1843, 1951, 1981, 2113, 2189, 2206, 2212, 2223, 2364, 2423, 2472, 2498, 2567, 2570, 2595, 2627, 2721, 2879, 3002, 3006, 3052, 3074, 3173, 3174, 3209, 3248, 3391, 3503, 3707, 3808, 3894, 3900, 3910, 3952]. **Euler-Type** [1612]. **Euler/FEM** [3248]. **Euler/Navier** [36]. **Eulerian** [375, 395, 398, 491, 588, 1230, 1525, 1609, 1935, 1956, 2122, 2158, 2221, 2573, 2623, 2708, 2748, 2870, 2930, 3026, 3045, 3090, 3781, 3949, 4055]. **European** [755, 759, 824, 1063]. **Eutrophicated** [829]. **Evaluating** [3545, 3822, 4063]. **Evaluation** [214, 502, 1216, 1276, 1447, 1456, 1932, 2371, 3083, 3879, 3942]. **Evaluations** [3138, 3253]. **Event** [3873]. **Evolution** [9, 237, 584, 708, 783, 949, 1001, 1007, 1417, 1510, 1777, 2738, 2873, 2969, 3020, 3220, 3667, 3968].

**Evolutionary** [1536, 1556, 2399, 2828, 3556]. **Evolutions** [632, 2992]. **Evolving** [1379, 1727, 2217, 2224, 3479]. **Exact** [757, 819, 1186, 1388, 1844, 2102, 2176, 2373, 2752, 3180, 3372, 3440, 3890, 3895]. **Exactly** [3400, 4056]. **Example** [867, 2487]. **Exceeding** [1845]. **Exceptions** [1256]. **Exchange** [959]. **Excitable** [837, 1467, 3769]. **Excitation** [1469]. **Excitations** [3110]. **Existence** [1309, 1707, 3419, 3938]. **Existing** [2278]. **Exp** [2050]. **Expanded** [1722]. **Expansion** [104, 247, 278, 634, 671, 1609, 1713, 1773, 2592, 2877, 3001]. **Expansions** [546, 706, 1694, 3545]. **Expectations** [3462]. **Experimental** [3480]. **Experiments** [69, 3458]. **Explicit** [117, 261, 263, 405, 484, 628, 738, 782, 875, 904, 1014, 1322, 1363, 1403, 1407, 1455, 1459, 1612, 1632, 1662, 1663, 1776, 1778, 1827, 1855, 1925, 1931, 1945, 2072, 2073, 2123, 2140, 2193, 2220, 2257, 2370, 2381, 2524, 2635, 2781, 3013, 3101, 3115, 3123, 3415, 3503, 3562, 3577, 3743, 3750, 3934, 3963, 3995, 3999, 4018]. **Explicit-SAV** [3006]. **explicit/implicit** [117]. **Exploiting** [1306]. **Exploration** [101, 1707]. **Explosive** [379]. **Exponent** [2158, 3911]. **Exponential** [63, 233, 789, 1015, 1214, 1316, 1368, 1429, 1509, 1615, 1691, 1994, 2098, 2456, 2504, 2568, 2639, 2766, 2797, 2804, 2815, 2853, 3071, 3098, 3138, 3207, 3247, 3277, 3311, 3347, 3409, 3523, 3590, 3603, 3641, 3692, 3743, 3787, 3807, 3964, 4010, 4068]. **Exponential-Type** [3603]. **Exponentially** [16, 209, 238, 1801, 2408, 3157]. **Exponentials** [3329]. **Exponents** [3816]. **Expression** [1005]. **Extended** [168, 1569, 1842, 1865, 2299, 2463, 2600, 2653, 3010, 3138, 3437, 3557, 3845, 3993, 4061]. **Extended-Rational** [3138]. **Extending** [872]. **Extensible** [689]. **Extension** [578, 602, 627, 630, 701, 940, 1099, 1624, 1863, 3364, 3897]. **Extensions** [748, 813, 1275, 1769, 1858, 2693]. **Exterior** [551, 704, 862, 1097, 1272, 2066, 2110, 2483, 3274, 3422]. **External** [543, 1695, 3889]. **Extracellular** [406]. **Extracting** [674]. **Extraction** [1956, 3439]. **Extragradient** [2431, 2937, 2963, 3015, 3076, 3564]. **Extrapolated** [1168, 1356, 2917, 3130, 3327]. **Extrapolation** [133, 249, 269, 891, 1029, 1196, 1292, 1546, 1689, 1780, 2353, 2628, 2863, 3723]. **Extremal** [218, 1157, 1297, 2775]. **Extreme** [1654, 2974, 3352, 3485, 3808]. **Extrinsic** [751]. **Eye** [1154].

**Faber** [3743]. **Face** [3488]. **Faces** [3252]. **Facet** [2142, 3540]. **Facing** [349, 3768]. **Factor** [77, 1363, 1711, 1938, 2502, 3979]. **Factored** [1057, 3848]. **Factoring** [2372]. **Factorization** [1485, 2031, 2480, 2718, 2834, 3152, 3316, 3488, 3899, 3904, 3990]. **Factorization-Based** [3990]. **Factorizations** [2645]. **Factors** [1037, 1057, 2714, 3079, 3189, 3434]. **Families** [888]. **Family** [89, 438, 967, 1110, 1238, 1495, 1684, 1837, 2907, 3345, 3355, 3420]. **Far** [1229, 1447]. **Far-Field** [1229, 1447]. **Farin** [3496]. **Fast** [72, 150, 251, 409, 421, 534, 579, 622, 714, 741, 746, 753, 794, 826, 875, 890, 930, 972, 1057, 1092, 1142, 1189, 1218, 1219, 1276, 1354, 1363, 1390, 1444, 1445, 1447, 1455, 1484, 1506, 1517, 1607, 1615, 1625, 1671, 1672, 1690, 1838, 1864, 1882, 1955, 1984, 1986, 1996, 2071,

2084, 2091, 2096, 2138, 2165, 2166, 2190, 2216, 2233, 2324, 2333, 2352, 2388, 2573, 2644, 2667, 2678, 2747, 2827, 2865, 2885, 2933, 2938, 2947, 2954, 3027, 3043, 3065, 3083, 3117, 3156, 3199, 3267, 3292, 3393, 3420, 3499, 3520, 3568, 3581, 3640, 3654, 3701, 3712, 3770, 3801, 3822, 3824, 3833, 3848, 3939, 3975, 4063]. **Faster** [1034]. **Fat** [291]. **Fault** [2213]. **Faulty** [252]. **FC** [1239]. **FD** [1412, 2920, 3390, 3458, 3647]. **FD/** [3647]. **FDEM** [315, 3973]. **FDEs** [2552]. **FDM** [1899]. **FDTD** [750, 1710, 2192, 2915, 3128, 3340]. **Feasibility** [1583]. **FEAST** [3655]. **Feature** [2157, 2863, 3447, 3724]. **Featured** [2598]. **FEEC** [3686, 3708]. **Feedback** [139, 843, 1679, 1736, 2476, 2691, 2717, 3166, 3979]. **Feedforward** [4041]. **FEM** [353, 500, 795, 971, 1053, 1061, 1089, 1599, 1638, 1846, 1887, 1907, 1975, 2007, 2064, 2243, 2330, 2380, 2483, 2582, 2647, 2770, 2830, 2987, 3052, 3145, 3248, 3299, 3397, 3425, 3576, 3691, 3840, 3946, 4002]. **FEM/DG** [795]. **FEM/SBFEM** [1061]. **FEMs** [1251, 1258, 1303, 1535, 1879, 2402, 2416, 2629, 2838, 3021, 3470]. **Fermi** [278, 283, 677]. **FETI** [350]. **Few** [162, 2174]. **Feynman** [83, 1375, 1686, 1997, 2136, 2669, 2929]. **FFT** [241, 2755]. **FFT-Based** [2755]. **FFTs** [1006]. **FGMRES** [223]. **Fiber** [743]. **Fibers** [563]. **Fictitious** [355, 725, 1343, 1763, 1988, 3422]. **Fidelity** [1266, 1394, 1685, 1782, 2230, 2292]. **Field** [187, 247, 312, 715, 720, 801, 943, 1229, 1370, 1420, 1446, 1772, 1788, 1841, 2018, 2021, 2161, 2226, 2395, 2462, 2754, 2783, 2868, 2893, 2958, 3188, 3201, 3246, 3273, 3327, 3409, 3426, 3479, 3738, 3749, 3787, 3790, 3842, 3882, 3940, 4047]. **Field-Aligned** [2021]. **Fields** [735, 887, 1133, 1592, 2879, 2883]. **Fifth** [533, 580, 890, 921, 1438, 1457, 1584, 2478, 2497, 2827, 2924, 3149, 3577]. **Fifth-Order** [580, 921, 1584, 2478, 3149]. **Film** [1065, 1277, 1840, 2177, 2314, 2442, 2456, 2515]. **Films** [711, 849]. **Filter** [498, 1248, 2409, 2475, 3915, 4039]. **Filtered** [2291, 2359, 2567]. **Filtering** [550, 735, 887, 1007, 1079, 1453, 1581, 1940, 2491, 2542, 3314]. **Filters** [89, 432, 1046, 1254, 1531, 2300]. **Final** [2873]. **Final-Value** [723]. **Finance** [672, 3524]. **Financial** [1433]. **Finding** [48, 1193, 1372, 1452, 1516, 1815, 2264, 2265, 2695, 3054, 3180, 3182]. **Fine** [2663, 2912]. **Finite** [264, 343, 405, 433, 437–439, 499, 516, 587, 613, 653, 659, 679, 720, 757, 811, 821, 822, 834, 839, 869, 873, 896, 919, 931, 936, 979, 983, 1058, 1102, 1151, 1165, 1192, 1237, 1274, 1311, 1332, 1350, 1386, 1402, 1424, 1467, 1525, 1546, 1597, 1641, 1645, 1659, 1674, 1675, 1689, 1716, 1719, 1805, 1860, 1912, 1920, 1954, 1978, 2032, 2133, 2143, 2146, 2191, 2196, 2228, 2233, 2234, 2252, 2270, 2290, 2323, 2393, 2445, 2557, 2570, 2597, 2675, 2706, 2725, 2850, 3034, 3038, 3103, 3178, 3270, 3339, 3349, 3548, 3695, 3703, 3745, 3762, 3839, 3917, 3937, 3950, 4005, 4071]. **Finite** [27, 282, 330, 332, 464, 488, 495, 497, 510, 527, 762, 763, 773, 793, 802, 847, 899, 976, 1054, 1064, 1150, 1153, 1155, 1173, 1227, 1293, 1505, 1524, 1553–1555, 1692, 1695, 1723, 1843, 1876, 1885, 1889, 1894, 1900, 1928, 1972, 1991, 2044, 2053, 2067, 2173, 2175, 2180, 2183, 2193, 2199, 2209, 2210, 2213, 2219, 2245, 2324, 2328, 2329, 2335, 2533, 2537, 2553, 2596, 2603, 2642, 2668, 2733, 2778, 2813, 2818, 2895, 2916, 2928, 2982, 2988, 3048, 3089, 3185, 3198, 3212, 3224, 3239, 3255, 3281, 3283, 3306, 3400, 3424, 3586, 3593, 3635, 3648, 3653, 3669, 3737, 3746, 3817, 3971,

3989, 3992, 4007, 4055, 4064]. **Finite**
[270, 281, 290, 301, 355, 593, 637, 654, 666, 703, 717, 777, 791, 800, 853, 908, 949, 977, 1140, 1240, 1249, 1306, 1325, 1340, 1448, 1457, 1460, 1464, 1502, 1548, 1571, 1698, 1730, 1738, 1756, 1758, 1811, 1861, 1878, 1881, 1908, 1911, 1913, 1915, 1969, 1979, 1981, 1983, 1992, 2000, 2013, 2028, 2082, 2248, 2249, 2259, 2299, 2334, 2342, 2349, 2400, 2476, 2523, 2532, 2540, 2548, 2569, 2627, 2691, 2700, 2708, 2746, 2767, 2780, 2792, 2811, 2842, 2847, 2862, 2877, 2889, 2958, 2959, 3005, 3022, 3039, 3040, 3049, 3096, 3144, 3156, 3168, 3192, 3242, 3516, 3521, 3525, 3565, 3569, 3618, 3639, 3661, 3742, 3790, 3831, 3896, 3922, 3945, 4034, 4044]. **Finite**
[239, 294, 315, 354, 366, 386, 406, 455, 466, 469, 542, 590, 608, 633, 728, 845, 846, 891, 928, 1012, 1038, 1042, 1114, 1143, 1187, 1273, 1404, 1417, 1475, 1495, 1498, 1501, 1537, 1539, 1635, 1651, 1699, 1749, 1784, 1796, 1880, 1888, 1901, 1958, 1965, 1984, 1994, 2027, 2075, 2255, 2296, 2344, 2345, 2426, 2446, 2447, 2490, 2516, 2530, 2543, 2644, 2650, 2672, 2680, 2684, 2698, 2703, 2739, 2742, 2860, 2879, 2911, 2941, 2960, 2977, 3020, 3119, 3140, 3155, 3194, 3200, 3219, 3254, 3257, 3279, 3282, 3308, 3317, 3328, 3423, 3454, 3464, 3474, 3494, 3499, 3522, 3551, 3560, 3646, 3705, 3778, 3825, 3833, 3843, 3869, 4056]. **Finite** [34, 246, 364, 391, 404, 465, 511, 547, 548, 687, 700, 733, 764, 827, 836, 851, 855, 907, 924, 1040, 1044, 1146, 1154, 1195, 1211, 1226, 1259, 1310, 1353, 1398, 1412, 1477, 1491, 1494, 1511, 1593, 1596, 1601, 1605, 1616, 1630, 1632, 1644, 1647, 1666, 1673, 1688, 1739, 1742, 1747, 1753, 1783, 1798, 1826, 1946, 2003, 2012, 2068, 2104, 2114, 2152, 2158, 2208, 2346, 2463, 2497, 2509, 2535, 2574, 2625, 2631, 2649, 2662, 2745, 2765, 2800, 2841, 2899, 2906, 2907, 2986, 2993, 3004, 3029, 3070, 3154, 3175, 3190, 3202, 3228, 3293, 3354, 3364, 3431, 3451, 3613, 3617, 3767, 3777, 3792, 3836, 3877, 3903, 3926, 3943, 3956, 3957, 3974, 4060].
**Finite** [14, 26, 39, 52, 60, 76, 96, 113, 136, 159, 160, 164, 177, 190, 236, 287, 893, 1069, 1169, 1238, 1442, 1470, 1482, 1556, 1740, 1751, 1752, 1952, 1971, 1996, 2174, 2203, 2419, 2429, 2512, 2612, 2670, 2715, 2729, 2734, 2817, 2851, 2887, 3072, 3075, 3147, 3361, 3453, 3728, 3794, 3824, 3857, 3874, 3919, 3979, 4025].
**Finite-Difference** [39, 246, 282, 364, 3453, 4056, 4071]. **Finite-Element**
[27, 164, 439, 1069, 1324, 1699, 1972]. **finite-element/Newton** [164].
**Finite-Size** [177, 931]. **Finite-Volume**
[1796, 2335, 2642, 2993, 3242, 3424, 3494, 3525, 3586, 4056].
**Finite-Volume-Particle** [527]. **Finite-Volume/Finite-Difference** [4056].
**First**
[468, 505, 589, 967, 977, 1049, 1051, 1159, 1355, 1562, 2094, 2332, 2373, 2748, 2823, 2880, 2944, 2980, 2988, 3214, 3355, 3394, 3400, 3523, 3892, 3901, 3916, 3996, 4017].
**First-** [3996]. **First-Order**
[468, 589, 967, 2094, 2748, 2880, 3394, 3523, 3892, 3901, 3916, 4017].
**First-Passage** [2373]. **Fisher** [2093, 3716]. **FISTA** [3441]. **Fitted**
[1459, 2125]. **Fitting** [716, 1691, 2862]. **Five** [2705, 2866, 4047].
**Five-Equation** [2866]. **Five-Field** [4047]. **Fixed**
[955, 1781, 2116, 2334, 2479, 2659, 2687, 2699, 2750, 3363, 3564, 3666, 3928].
**Fixed-Point** [1781, 2479, 3363, 3928]. **Flame** [329]. **flames** [28, 134]. **Flat**
[112, 337, 2839]. **Flexible** [252, 689, 1657, 1807, 3090, 3974]. **Flexoelectricity**

[2899, 3186]. **Flexoelectricity-Based** [3186]. **Flight** [574]. **Flooding** [439]. **Flory** [3212]. **Flow** [200, 248, 250, 270, 272, 286, 289, 293, 313, 328, 345, 371, 410, 411, 441, 451, 458, 464, 465, 488, 489, 493, 523, 524, 544, 576, 583, 605, 634, 667, 671, 770, 809, 841, 876, 903, 933, 1004, 1027, 1048, 1163, 1297, 1386, 1392, 1524, 1550, 1557, 1600, 1712, 1742, 1761, 1791, 1895, 1901, 1932, 1961, 1968, 2007, 2147, 2152, 2213, 2240, 2243, 2246, 2293, 2299, 2358, 2374, 2487, 2501, 2507, 2657, 2668, 2760, 2798, 2953, 3016, 3095, 3104, 3150, 3192, 3243, 3348, 3385, 3393, 3440, 3512, 3516, 3551, 3635, 3648, 3706, 3774, 3853, 3886, 3906, 3927, 3961, 4005, 4011, 4044]. **Flow** [3, 8, 36, 48, 59, 77, 108, 112, 123, 133, 145, 156, 240, 349, 780, 920, 1020, 1365, 1511, 1764, 1788, 1956, 2109, 2395, 2513, 2573, 2793, 3856]. **Flow-Porous** [3095]. **Flows**
[277, 281, 303, 305, 309, 312, 320, 352, 430, 509, 539, 602, 615, 618, 633, 662, 679, 792, 842, 941, 947, 950, 955, 964, 1125, 1156, 1170, 1207, 1231, 1236, 1309, 1310, 1320, 1336, 1337, 1348, 1370, 1430, 1464, 1469, 1478, 1514, 1547, 1578, 1652, 1718, 1728, 1772, 1825, 1929, 1995, 2011, 2042, 2064, 2065, 2160, 2236, 2256, 2335, 2342, 2361, 2495, 2500, 2506, 2540, 2607, 2636, 2700, 2705, 2737, 2764, 2805, 2831, 2850, 3005, 3011, 3030, 3051, 3060, 3090, 3091, 3210, 3345, 3400, 3415, 3420, 3424, 3426, 3467, 3494, 3522, 3539, 3628, 3660, 3664, 3782, 3796, 3823, 3852, 3906, 3931, 3994]. **Flows** [4, 25, 32, 39, 50, 54, 86, 121, 143, 168, 170, 180, 181, 203, 232, 351, 492, 549, 582, 676, 692, 1083, 1154, 1208, 1326, 1482, 1494, 1574, 1678, 1732, 1810, 2482, 2615, 2623, 2641, 2648, 2993, 3088, 3327, 3372, 3472, 3617, 3624, 3957, 4024, 4057]. **Fluctuation** [373]. **Fluid**
[9, 77, 277, 328, 355, 422, 485, 522, 581, 619, 633, 694, 796, 895, 898, 933, 1048, 1059, 1125, 1311, 1430, 1610, 1718, 1788, 1859, 1869, 1904, 2014, 2018, 2121, 2122, 2131, 2342, 2395, 2506, 2519, 2623, 2648, 2953, 3028, 3090, 3303, 3380, 3451, 3472, 3479, 3643, 3660, 3684, 3706, 3851, 3915, 3952, 4005, 4044]. **Fluid-dynamics** [895]. **Fluid-Structure** [522, 694, 3028, 3090, 3380, 3915]. **Fluid-Surfactant** [3479]. **Fluids** [120, 224, 352, 383, 531, 989, 1281, 1428, 2122, 2964, 3540, 4012]. **Fluorescence** [1826]. **Flux** [97, 360, 452, 533, 633, 790, 893, 905, 917, 997, 1018, 1099, 1228, 1282, 1283, 1334, 1336, 1382, 1440, 1458, 1578, 1586, 1603, 1604, 1616, 1624, 1717, 1858, 1875, 1942, 2026, 2040, 2105, 2432, 2457, 2563, 2579, 2581, 2603, 2615, 2684, 2759, 2795, 2831, 3014, 3051, 3112, 3123, 3250, 3265, 3280, 3331, 3337, 3370, 3430, 3468, 3544, 3557, 3593, 3665, 3739, 3763, 3782, 3797, 3812, 3934]. **Flux-Computation** [360]. **Flux-Conservative** [2105]. **flux-corrected** [97]. **Flux-free** [633]. **Flux-Limiters** [2457]. **Fluxes** [471, 603, 1419, 2053, 2113, 2308, 2322, 2524, 2610, 2936, 3113, 3552, 3704, 3846, 4018]. **FMM** [3659]. **FMM-Accelerated** [3659]. **Focalization** [472]. **focusing** [75]. **Fokker** [743, 1339, 1378, 1677, 2020, 2621, 2767, 2868, 3136, 3702, 3715, 3840, 3842]. **Folding** [1255, 4002]. **Folding-Free** [1255]. **Following** [3100]. **FOM** [2996]. **FOM/ROM** [2996]. **Force** [1960]. **Forced** [68, 2654]. **Forces** [1695, 1838, 3058, 3889]. **Forcheiner** [2562]. **Forchheimer** [1066, 1901, 1969, 2027, 2724, 2765, 3236, 3339, 3658, 3695, 3839]. **Forcing** [586, 2748, 3839]. **Forecasting** [3899]. **Forest** [3471]. **Foreword** [300, 372, 428, 436, 476, 515, 765, 866, 2231]. **Forgetting** [1135]. **Form**

[386, 799, 857, 1265, 1309, 1909, 2022, 2062, 2063, 2141, 2154, 2222, 2704, 2965, 3084, 3154, 3306, 3625, 3680, 3741, 4028]. **Formalism** [2017, 2100]. **Formally** [1027]. **Format** [1755, 2443]. **Formation** [177, 711, 2951, 3270]. **Former** [3443]. **Forms** [492]. **Formula** [106, 677, 1686, 1698, 2222, 2427, 3315, 3518, 3824, 4045]. **Formulae** [1691, 2833]. **Formulas** [1112, 1292, 2267, 3577]. **Formulation** [30, 55, 313, 321, 370, 398, 433, 449, 491, 667, 702, 730, 816, 877, 905, 934, 1019, 1044, 1052, 1132, 1174, 1398, 1403, 1480, 1525, 1537, 1548, 1586, 1652, 1713, 1761, 1803, 1854, 2025, 2026, 2061, 2283, 2295, 2436, 2462, 2490, 2499, 2552, 2569, 2588, 2615, 2636, 2643, 2724, 2798, 2876, 3225, 3337, 3509, 3609, 3753, 3885, 3971, 4032, 4047, 4054]. **Formulations** [382, 590, 790, 1646, 2467, 2709, 3949, 3981]. **Fort** [1075, 1344]. **Forth** [3318]. **Forward** [349, 1257, 1375, 1708, 2370, 2435, 2573, 2846, 2902, 3429, 3449]. **Forward-Backward** [2902]. **Forward-Facing** [349]. **Forward-Reflected-Backward** [3449]. **FOSLS** [3374]. **Four** [52, 2462, 2514, 3033]. **four-color** [52]. **Four-Equation** [3033]. **Four-Field** [2462]. **Four-Point** [2514]. **Fourier** [16, 35, 67, 78, 125, 153, 158, 162, 170, 173, 175, 238, 256, 280, 336, 341, 494, 506, 578, 704, 756, 1003, 1015, 1036, 1070, 1078, 1189, 1338, 1342, 1448, 1483, 1509, 1589, 1725, 1748, 1811, 1819, 1840, 1949, 1990, 2146, 2165, 2166, 2410, 2470, 2571, 2714, 2799, 2859, 3181, 3229, 3509, 3517, 3908, 4027]. **Fourier-collocation** [175]. **Fourier-Continuation** [1448]. **Fourth** [239, 281, 368, 440, 485, 605, 862, 868, 972, 1044, 1076, 1110, 1113, 1161, 1286, 1287, 1296, 1346, 1373, 1522, 1534, 1562, 1619, 1623, 1671, 1672, 1690, 1780, 1794, 1801, 1826, 2115, 2197, 2312, 2320, 2321, 2382, 2710, 2812, 2820, 2843, 3094, 3293, 3749, 3750, 3752, 3851, 3901, 3903, 3932, 3980, 4033]. **Fourth-Order** [281, 485, 605, 862, 1076, 1110, 1286, 1287, 1373, 1534, 1562, 1619, 1623, 1780, 1794, 2320, 2321, 2382, 2710, 2812, 3094, 3293, 3749, 3752, 3851, 3901, 3903, 3932, 3980, 4033]. **Fox** [3293]. **Fractal** [3589]. **Fractional** [532, 1344, 1375, 1460, 1470, 1512, 1562, 1568, 1625, 1750, 1756, 1821, 1860, 1862, 1866, 1878, 1882, 1890, 1892, 1902, 1913, 1962, 1975, 1997, 2008, 2019, 2069, 2075, 2083, 2096, 2128, 2135, 2136, 2180, 2184, 2187, 2191, 2216, 2225, 2237, 2324, 2337, 2349, 2392, 2402, 2408, 2421, 2434, 2443, 2508, 2515, 2517, 2541, 2548, 2554, 2606, 2617, 2624, 2647, 2654, 2698, 2702, 2726, 2727, 2738, 2767, 2770, 2797, 2799, 2878, 2928, 2929, 2949, 2954, 3030, 3046, 3049, 3103, 3127, 3129, 3137, 3145, 3156, 3157, 3185, 3222, 3256, 3277, 3297, 3342, 3438, 3446, 3520, 3558, 3576, 3594, 3603, 3619, 3639, 3649, 3651, 3672, 3692, 3827, 3829, 3840, 3841, 3889, 3898, 3938, 3989]. **Fractional** [1169, 1184, 1260, 1376, 1428, 1477, 1517, 1544, 1636, 1658, 1749, 1751–1753, 1842, 1877, 1880, 1955, 1993, 1996, 2111, 2141, 2151, 2162, 2179, 2188, 2190, 2274, 2283, 2298, 2382, 2418, 2419, 2429, 2437, 2481, 2486, 2511, 2545, 2575, 2609, 2616, 2639, 2669, 2729, 2765, 2766, 2771, 2784, 2786, 2859, 2873, 2874, 2957, 2969, 2976, 3020, 3024, 3029, 3116, 3136, 3158, 3170, 3199, 3206, 3276, 3323, 3333, 3409, 3476, 3534, 3555, 3579, 3611, 3663, 3679, 3702, 3710, 3767, 3770, 3799, 3824, 3828, 3832, 3833, 3869, 3911, 3919, 3941, 3944, 3968, 3984, 4060].

**Fractional-in-Space** [1892, 2382, 2702]. **Fractional-Order** [2575, 3323]. **Fractional-Step** [532]. **Fractional/Normal** [2873, 3206]. **fractions** [141]. **Fracture** [751, 3093, 3568]. **Fractured** [2152, 2549, 2760, 3088]. **Fractures** [2358]. **Frame** [1072, 1120, 1121, 1212, 1395, 1523, 1700, 2146, 3856]. **Frames** [1085, 1094, 1279, 1819]. **Framework** [589, 681, 892, 1144, 1164, 1214, 1329, 1337, 1369, 1448, 1452, 1530, 1646, 1746, 2628, 2920, 2939, 3051, 3118, 3133, 3148, 3265, 3348, 3584, 3616, 3673, 3686, 3708, 3716]. **Frankel** [1075, 1344]. **Fréchet** [84]. **Fredholm** [41, 249, 1634]. **Free** [22, 48, 59, 303, 453, 457, 465, 487, 523, 614, 633, 692, 784, 903, 1045, 1052, 1182, 1255, 1258, 1270, 1309, 1525, 1552, 1559, 1635, 1668, 1836, 1912, 1955, 2064, 2161, 2229, 2244, 2289, 2320, 2321, 2369, 2381, 2440, 2466, 2490, 2493, 2497, 2535, 2685, 2736, 2776, 2891, 2901, 3002, 3019, 3075, 3095, 3101, 3174, 3244, 3287, 3352, 3379, 3400, 3402, 3448, 3470, 3524, 3531, 3539, 3544, 3582, 3583, 3613, 3756, 3789, 3796, 3811, 3874, 3906, 3929, 3955, 3992, 4056]. **Free-Boundary** [1955, 3019, 3582, 3756]. **Free-Form** [1309]. **Free-Stream** [2369, 2535, 3613]. **Free-Stream-Preserving** [3174]. **Free-Surface** [457, 465, 523, 692, 2736, 3002]. **freedom** [17]. **Freeform** [2405]. **freely** [28]. **Freestream** [1884]. **Frequency** [46, 91, 514, 519, 685, 1371, 1714, 1813, 2004, 2284, 2412, 2600, 2800, 3167, 3363, 3726, 3899, 3949]. **Frequency-Domain** [1371]. **Friction** [938, 945, 2137, 2462, 2646, 3862]. **Frictional** [936, 994, 3627]. **Friedrichs** [261, 1361, 1444, 1445, 3403]. **Frog** [915]. **Front** [94, 555, 621, 753, 817, 1154]. **Front-Tracking** [555]. **frontal** [154]. **Fronts** [792, 1179, 1414, 1727, 2737, 3014, 3289]. **frontwidth** [20]. **Frozen** [2099]. **Full** [1265, 1557, 2090, 2294, 2595, 2781, 3206, 3721]. **Full-Discretization** [2781]. **Fully** [255, 307, 609, 731, 773, 774, 909, 929, 985, 1013, 1078, 1158, 1261, 1328, 1355, 1425, 1647, 1718, 1772, 1892, 1932, 2048, 2082, 2166, 2196, 2215, 2241, 2313, 2417, 2596, 2635, 2662, 2724, 2855, 2886, 2895, 2916, 2986, 3040, 3075, 3111, 3151, 3159, 3189, 3327, 3338, 3389, 3426, 3455, 3464, 3466, 3547, 3548, 3654, 3727, 3857, 3863, 3871, 3947, 3989]. **Fully-Connected** [3189, 3338, 3727, 3863]. **Fully-Decoupled** [3426]. **Fully-Discrete** [1013, 2635, 3159, 3548]. **Function** [19, 162, 253, 256, 283, 863, 883, 1039, 1302, 1307, 1323, 1379, 1412, 1433, 1513, 1518, 1594, 1617, 1701, 1758, 1803, 1841, 1883, 1909, 1976, 2071, 2090, 2092, 2184, 2194, 2325, 2405, 2490, 2520, 2558, 2559, 2657, 2730, 2732, 2787, 2796, 2809, 2915, 3128, 3358, 3689, 3725, 3741]. **Functional** [2017, 2104, 2564, 2955, 3047, 3325, 3512]. **Functionalized** [1418, 2178, 2793, 3615]. **Functionally** [1459]. **Functionals** [359, 635, 1924]. **Functions** [22, 51, 110, 122, 209, 238, 244, 271, 506, 606, 704, 706, 860, 1115, 1358, 1416, 1509, 1559, 1685, 1754, 1767, 1800, 1812, 1820, 1866, 1886, 1988, 2008, 2035, 2071, 2170, 2347, 2412, 2666, 2816, 2861, 3278, 3447, 3457, 3611, 3619, 3822, 4063]. **Functions-I** [2071]. **Fundamental** [292, 592, 1427, 3872]. **Further** [555, 1450]. **Fusing** [3850]. **Fusion** [3130]. **Fuzzy** [1685]. **FV** [2679, 3647, 4055].

**Galerkin** [288, 323, 438, 439, 441–443, 445, 516, 526, 559, 614, 635, 636, 649, 653, 660, 729, 769, 770, 850, 896, 975, 1045, 1047, 1162, 1181, 1189, 1210, 1234, 1274,

1286, 1287, 1295, 1362, 1392, 1401, 1413, 1435, 1533, 1535, 1552, 1567, 1573, 1577, 1631, 1664, 1682, 1745, 1760, 1832, 1836, 1849, 1874, 1875, 1919, 1921, 1922, 1968, 1995, 2004, 2014, 2036, 2052, 2074, 2176, 2195, 2196, 2233, 2235, 2237, 2281, 2287, 2336, 2364, 2415, 2467, 2470, 2475, 2536, 2629, 2671, 2705, 2823, 2850, 2967, 3028, 3150, 3226, 3232, 3277, 3345, 3491, 3513, 3694, 3706, 3952, 4018, 4029]. **Galerkin** [127, 175, 301, 409, 446–
449, 529, 535, 600, 617, 664, 671, 698, 717, 771, 775, 802, 808, 813, 926, 929, 932, 974, 1097, 1155, 1175, 1241, 1245, 1251, 1261, 1348, 1418, 1419, 1472, 1487, 1524, 1528, 1569, 1576, 1643, 1667, 1713, 1714, 1814, 1865, 1924, 2007, 2011, 2022, 2045, 2053, 2147, 2164, 2205, 2219, 2239, 2241, 2242, 2244, 2261, 2288, 2311, 2338, 2349, 2394, 2396, 2433, 2505, 2525, 2553, 2702, 2798, 2936, 3050, 3096, 3114, 3137, 3183, 3218, 3238, 3239, 3264, 3342, 3403, 3446, 3539, 3584, 3654, 3658, 3670, 3690, 3773, 3781, 3796, 3800, 3852, 3909, 3922, 3970, 3971, 4009, 4017, 4062]. **Galerkin** [194, 414, 452, 453, 538, 634, 778, 797, 857, 885, 949, 1009, 1079, 1096, 1180, 1268, 1278, 1300, 1306, 1378, 1498, 1510, 1531, 1540, 1572, 1592, 1621, 1624, 1677, 1715, 1729, 1757, 1765, 1771, 1816, 1830, 1856, 1879, 1935, 1936, 1957, 1977, 1999, 2034, 2073, 2081, 2120, 2135, 2137, 2138, 2166, 2172, 2197, 2251, 2268, 2295, 2308, 2369, 2397, 2402, 2418, 2477, 2491, 2554, 2581, 2602, 2610, 2627, 2661, 2704, 2727, 2736, 2738, 2788, 2831, 2875, 2925, 2973, 3051, 3053, 3104, 3124, 3287, 3294, 3308, 3324, 3402, 3423, 3438, 3459, 3469, 3505, 3509, 3552, 3576, 3583, 3591, 3606, 3661, 3814, 3820, 3846, 3853, 3897, 3912, 3927, 3958, 3963, 4038]. **Galerkin** [294, 302, 341, 344, 450, 454, 456, 500, 603, 607, 608, 648, 779, 780, 788, 861, 887, 894, 897, 906, 1029, 1046, 1091, 1108, 1197, 1222, 1254, 1273, 1281, 1303, 1305, 1324, 1388, 1473, 1475, 1588, 1633, 1658, 1673, 1744, 1783, 1792, 1797, 1826, 1887, 1943, 1945, 1959, 1974, 2012, 2062, 2122, 2140, 2152, 2161, 2168, 2254, 2255, 2257, 2269, 2273, 2318, 2376, 2401, 2413, 2416, 2426, 2524, 2531, 2556, 2562, 2566, 2587, 2632, 2643, 2652, 2666, 2745, 2869, 2924, 2941, 2984, 3106, 3113, 3151, 3190, 3228, 3265, 3302, 3468, 3470, 3536, 3538, 3567, 3577, 3597, 3731, 3735, 3767, 3867, 3914, 3934, 3936, 3946, 3996, 3998]. **Galerkin** [287, 457, 661, 732, 733, 758, 766, 781, 786, 904, 930, 981, 1013, 1023, 1070, 1134, 1158, 1247, 1319, 1410, 1442, 1491, 1751, 1810, 1947, 1948, 1950, 2145, 2198, 2218, 2298, 2322, 2357, 2419, 2513, 2545, 2546, 2729, 2734, 2758, 2786, 2826, 2838, 2906, 2919, 2930, 2989, 3026, 3195, 3303, 3335, 3407, 3444, 3455, 3498, 3599, 3624, 3738, 3874, 3967].
**Galerkin-Characteristics** [3239]. **Galerkin-Finite** [3423].
**Galerkin/Arbitrary** [2122]. **Galerkin/Finite** [1324].
**Galerkin/Finite-Element** [1324]. **Game** [3188]. **Games** [1923, 2868].
**GAN** [3401, 3497]. **Gap** [351, 2220, 3637]. **Gas** [120, 296, 298, 347, 667, 1133, 2212, 2870, 3472, 3634, 3994]. **Gas-Kinetic** [2870, 3994]. **Gasdynamics** [2627, 2778]. **Gauge** [1226, 2423, 3653, 3790, 4032].
**Gauge-Invariant** [2423]. **Gauss** [258, 369, 528, 1051, 1142, 1185, 1280, 1691, 1834, 2081, 2337, 3490, 3612, 3666, 3678, 3835, 3887, 3932, 3998]. **Gauss-Type** [1280]. **Gaussian** [1575, 2076, 2099, 2121, 2325, 2654, 3514]. **Gegenbauer** [415]. **Gene** [1005]. **General** [279, 299, 479, 588, 1166, 1192, 1214, 1221, 1322, 1471, 1659, 1696, 1778, 2108, 2119, 2139, 2144, 2284, 2355, 2465, 2546, 2551, 2636,

2778, 2864, 2944, 3291, 3294, 3317, 3325, 3341, 3405, 3508, 3544, 3560, 3714, 3731, 3754, 3883, 3897, 3900, 3992, 3994]. **Generalised** [1024, 3186, 3387]. **Generalization** [356, 677, 1276, 2056, 2214]. **Generalizations** [3457]. **Generalized** [48, 59, 87, 99, 100, 110, 122, 212, 354, 507, 535, 551, 704, 722, 835, 954, 990, 1147, 1149, 1205, 1206, 1303, 1389, 1488, 1551, 1713, 1754, 1816, 1851, 1857, 1875, 1989, 2005, 2078, 2322, 2387, 2427, 2453, 2459, 2497, 2524, 2540, 2559, 2564, 2578, 2589, 2624, 2662, 2664, 2744, 2766, 2859, 2931, 2935, 3038, 3047, 3065, 3124, 3127, 3159, 3202, 3313, 3325, 3330, 3336, 3366, 3376, 3379, 3405, 3411, 3463, 3465, 3490, 3532, 3551, 3552, 3571, 3575, 3584, 3631, 3640, 3678, 3830, 3833, 3846, 3885, 3948, 4018, 4032, 4035, 4037]. **Generate** [1946]. **Generated** [1323]. **Generating** [543, 1820, 2065]. **Generation** [105, 225, 469, 2728, 3716]. **Generative** [3478, 3598, 3650, 4030]. **Generic** [932, 1256, 1257, 1619]. **Genetic** [359]. **Genuinely** [1138, 2926]. **Genus** [1255]. **Genus-** [1255]. **Genvar** [1606]. **Geodesic** [1761]. **Geodesics** [3716]. **Geomechanics** [1968]. **Geometric** [210, 358, 481, 879, 1127, 1373, 1457, 1496, 1810, 2264, 2265, 2556, 2792, 3130, 3196, 3203]. **Geometrical** [375, 955, 1655, 2940, 3085, 3414]. **Geometrically** [2369, 2680]. **Geometries** [202, 305, 588, 702, 1122, 1140, 1321, 1345, 2036, 2284, 2642, 2908, 3061, 3538]. **Geometry** [646, 2352]. **Geophysics** [3501]. **Geostrophic** [980]. **GePUP** [1619]. **Get** [2417, 3699]. **Ghost** [688, 694, 796, 2519, 3303, 3684]. **Ghost-Fluid** [3684]. **Gibb** [429]. **Gibbs** [567, 570]. **Gilbert** [4007]. **Ginzburg** [1071, 1315, 1414, 2423, 2639, 3368, 3580, 3653]. **Given** [2155]. **Glerkin** [1369]. **Global** [362, 910, 941, 1255, 1551, 2095, 2107, 2149, 2258, 2275, 2331, 2425, 2476, 2559, 2691, 2805, 2857, 3162, 3508, 3728, 3741, 3794, 3863, 3955, 4003]. **Global-in-Time** [2805, 3508]. **Globalization** [3014, 3250, 3544, 3550, 3593]. **Globally** [666, 1284, 1872, 1917, 2171, 2244, 2605]. **Globally-Hyperbolically-Closed** [1284]. **GMRES** [2285, 2286, 2753, 3064]. **GMRES-Type** [3064]. **Goal** [1050, 1626, 1835, 2453, 2614, 3421]. **Goal-Oriented** [1050, 1626, 1835, 2453, 2614, 3421]. **Godunov** [348, 662, 1205, 3173, 3704]. **Godunov-Like** [3704]. **Golden** [2824]. **Golub** [1493]. **Good** [1941, 2058, 3523]. **Gordon** [1100, 2438, 2838, 2971, 3234, 3446, 3692, 3709, 4068]. **Gordon-Schrödinger** [2971]. **Governed** [740, 754, 795, 1461, 1553, 1588, 1898, 2199, 2318, 2367, 2864, 3438, 3697, 3732]. **Governing** [382, 1718]. **gPAV** [3906]. **GPU** [1183, 1369, 1384, 3211]. **GPU-Accelerated** [1369]. **GPU-Implementation** [1384]. **GPUs** [944, 1276]. **Grad** [517, 1556, 2590, 2886, 3286, 3831, 3862]. **Grad-div** [1556, 2886]. **Graded** [613, 1136, 2248, 2738, 2867, 2929, 3563, 3589, 4043]. **Gradient** [111, 211, 228, 236, 276, 295, 509, 1034, 1200, 1276, 1318, 1391, 1437, 1499, 1520, 1625, 1648, 1800, 1861, 1889, 1980, 1992, 2055, 2223, 2299, 2424, 2507, 2596, 2763, 2776, 2793, 2806, 2885, 2909, 2922, 2923, 2942, 2950, 3011, 3012, 3016, 3030, 3036, 3041, 3135, 3176, 3203, 3223, 3272, 3291, 3313, 3327, 3385, 3399, 3415, 3445, 3454, 3483, 3512, 3514, 3542, 3581, 3583, 3588, 3637, 3713, 3856, 3890, 3902, 3924, 3930, 4003]. **Gradient-Augmented** [1520]. **Gradient-Based** [3930].

**Gradient-Enhanced** [3514]. **Gradient-Preserving** [1800]. **Gradient-Robust** [2776, 3924]. **Gradient-Type** [2596]. **Gradient/Semismooth** [3637]. **Gradients** [1929, 2735, 2815, 3467, 3626]. **Grafts** [3414]. **Grain** [40, 674, 1394, 3008]. **Graining** [713]. **Gramicidin** [293]. **Grand** [574]. **Granular** [120, 2764, 3628]. **Graph** [3037, 3291]. **Graph-Laplacians** [3037]. **Graphene** [3011]. **graphical** [38]. **Graphs** [780, 1009]. **Grating** [2174, 2195, 3879]. **Gratings** [888]. **Gravitation** [3817]. **Gravitational** [1133, 1592, 2879]. **Gravity** [457, 1832]. **Greedy** [1223, 3916]. **Green** [458, 942, 1841, 2694, 3307, 4045]. **Grey** [3288]. **Grid** [105, 201, 225, 298, 340, 408, 410, 414, 416, 469, 512, 583, 606, 615, 906, 927, 930, 975, 979, 1069, 1098, 1155, 1159, 1178, 1204, 1308, 1310, 1317, 1348, 1577, 1582, 1666, 1683, 1741, 1824, 1878, 1954, 1972, 2027, 2088, 2199, 2208, 2689, 2827, 2865, 2906, 2907, 2943, 3000, 3093, 3202, 3254, 3256, 3430, 3594, 3765, 4023, 4044]. **Grid-Based** [414]. **Grid-Insensitive** [1824]. **Gridding** [1338]. **Grids** [262, 404, 613, 630, 730, 750, 956, 1027, 1136, 1240, 1244, 1332, 1336, 1419, 1424, 1481, 1492, 1495, 1558, 1574, 1664, 1674, 1675, 1705, 1711, 1736, 1745, 1809, 1824, 1858, 1884, 1900, 1942, 2016, 2028, 2048, 2577, 2580, 2586, 2671, 2706, 2738, 2889, 3095, 3109, 3146, 3475, 3568, 3613, 3752, 3876, 4025]. **Grönwall** [3129]. **Grönwall-Type** [3129]. **Gross** [1262, 3054]. **Grossly** [2722]. **Ground** [1420, 1910, 2485, 2695, 3054]. **Group** [2, 37, 55, 64, 104, 231, 236, 247, 2457, 3018, 3585, 3860, 3885, 3890]. **Group-Based** [231, 236]. **Group-Quadratic** [3860]. **Growing** [469]. **Growth** [27, 380, 688, 711, 763, 1182, 1232, 1840, 2314, 3011, 3311]. **GRP** [3472]. **GRPDA** [3359]. **GSVD** [3411]. **Guaranteed** [909, 1441, 1620, 2074]. **Guarantees** [1985, 3237, 3462, 3883]. **Guderley** [1450]. **guide** [29]. **Guided** [4030]. **Guidelines** [796, 3458]. **Guiding** [1951, 2189, 2364]. **Gyrokinetic** [2021, 3130].

**H2N2** [2616]. **Haar** [3784]. **Haar-Like** [3784]. **Hadamard** [2727, 3949]. **Half** [265, 1595, 2489, 2861, 3601, 3760]. **Half-Quadratic** [3760]. **Hamilton** [268, 387, 536, 579, 580, 591, 620, 622, 753, 885, 890, 926, 1025, 1132, 1159, 1465, 1561, 1852, 1923, 1935, 1959, 2098, 2295, 2427, 2612, 2644, 2693, 2742, 2865, 2868, 2871, 3087, 3235, 3283]. **Hamiltonian** [687, 1341, 1566, 1655, 1912, 2148, 2449, 2658, 2897, 3207, 3386, 3515, 3843]. **Hamiltonians** [536, 2414]. **Hammerstein** [1634]. **Hand** [2285, 2286]. **Handling** [358, 546]. **Hankel** [1654, 2412, 3893]. **Hard** [2353, 3573, 4014]. **Harmonic** [185, 292, 551, 861, 891, 1015, 1255, 1590, 1641, 1659, 1837, 2051, 2253, 2433, 2869, 3167, 3330, 3703, 3985]. **Harmonic-Generalized** [551]. **Harmonics** [147, 2035]. **Harten** [2926]. **Having** [4028]. **HDG** [876, 1016, 1035, 1052, 1152, 1264, 1306, 1514, 1529, 1569, 1579, 1591, 1728, 1735, 1774, 1927, 2054, 2142, 2159, 2246, 2247, 2250, 2256, 2374, 2383, 2403, 2420, 2528, 2653, 2709, 2776, 2790, 2808, 2825, 3097, 3428, 3437, 3442, 3456, 3718, 3886, 3966, 3985]. **HDG-NEFEM** [2256]. **Heat** [200, 205, 230, 236, 613, 844, 854, 1347, 1387, 1768, 1844, 1865, 2083, 2269, 2352,

2451, 2515, 2617, 2642, 2813, 2821, 2984, 3095, 3236, 3845, 4053]. **Heated** [403]. **Heating** [1251]. **Heaviside** [1865]. **Heavy** [109, 3504, 3633]. **Heavy-ball** [3504]. **Heavy-Ball-Based** [3633]. **heavy-ion** [109]. **held** [2454]. **Hele** [851, 1560]. **Hellan** [2129, 3355]. **Helmholtz** [341, 868, 974, 1080, 1095, 1144, 1221, 1298, 1462, 1484, 1576, 1609, 1714, 2320, 2321, 2380, 2412, 2461, 2561, 2630, 2631, 2808, 2981, 3183, 3363, 3397, 3422, 3531, 3545, 3561, 3651, 3771, 3777]. **Hemivariational** [2534, 2741, 2959, 3094, 3194, 3536, 3622]. **Hemodynamics** [1056, 3414]. **Hermite** [284, 644, 758, 982, 1206, 1404, 1488, 1539, 2105, 2398, 2612, 2702, 2849, 3087, 3184, 3292, 3501, 3533, 3728, 3794, 3821, 3851, 4052]. **Hermite-Based** [2849]. **Hermitian** [595, 972, 1204, 3891]. **Herrmann** [2129, 3355]. **Herrmann-Johnson** [2129]. **Herschel** [1102]. **Hessian** [2312, 2852, 3268, 4003]. **Hessian-Aided** [4003]. **Heteroepitaxy** [714]. **Heterogeneities** [2962]. **Heterogeneous** [1321, 1965, 2250, 2513, 2813, 2944, 3240, 3331, 3365, 3387, 3718, 3948]. **Heuristic** [2814]. **Hexagonal** [1940]. **Hexahedral** [2967, 3374, 3792]. **HHO** [3209, 3966]. **Hidden** [3156, 3485]. **Hidden-Layer** [3485]. **Hidden-Memory** [3156]. **Hierarchial** [1109]. **Hierarchical** [111, 336, 497, 656, 825, 911, 998, 1308, 1846, 2016, 2506, 2718, 2939, 3117, 3152, 3412, 3549, 3620, 3772, 3784, 3990]. **Hierarchically** [1218]. **Hierarchy** [665]. **High** [202, 244, 268, 282, 326, 330, 373, 378, 422, 444, 480, 525, 529, 552, 632, 748, 762, 816, 865, 867, 869, 923, 995, 1018, 1077, 1122, 1170, 1191, 1205, 1236, 1323, 1332, 1348, 1382, 1446, 1496, 1519, 1525, 1546, 1576, 1645, 1665, 1687, 1689, 1695, 1707, 1719, 1750, 1760, 1820, 1843, 1890, 1899, 1917, 1919, 1925, 2023, 2133, 2136, 2173, 2192, 2232, 2241, 2288, 2335, 2364, 2375, 2391, 2443, 2475, 2533, 2557, 2611, 2620, 2667, 2679, 2755, 2798, 2823, 2836, 2890, 3057, 3060, 3084, 3089, 3226, 3252, 3255, 3264, 3424, 3593, 3594, 3644, 3654, 3709, 3817, 3894, 3951, 3952, 3954, 3994, 4055]. **High** [188, 193, 251, 275, 311, 357, 366, 459, 483, 486, 501, 502, 512, 519, 537, 565, 583, 670, 685, 730, 739, 883, 987, 1054, 1060, 1080, 1095, 1098, 1140, 1143, 1183, 1222, 1228, 1276, 1284, 1368, 1458, 1460, 1464, 1465, 1531, 1562, 1587, 1667, 1711, 1759, 1813, 1817, 1821, 1911, 1938, 1974, 1981, 2028, 2080, 2112, 2134, 2156, 2248, 2250, 2251, 2284, 2330, 2356, 2368, 2412, 2437, 2446, 2447, 2540, 2555, 2569, 2633, 2746, 2804, 2858, 2860, 2866, 2877, 2889, 2956, 2960, 3005, 3024, 3056, 3071, 3123, 3128, 3242, 3340, 3363, 3425, 3499, 3525, 3554, 3662, 3665, 3696, 3717, 3842, 3848, 3852, 3866, 3879, 3883, 3922, 3977]. **High** [232, 240, 306, 316, 320, 347, 348, 388, 407, 427, 429, 432, 471, 508, 544, 547, 548, 550, 579, 582, 607, 648, 656, 764, 820, 917, 981, 1012, 1040, 1093, 1133, 1166, 1184, 1208, 1233, 1291, 1336, 1494, 1558, 1574, 1605, 1609, 1616, 1632, 1646, 1666, 1735, 1806, 1946, 1965, 1976, 1982, 2051, 2064, 2121, 2140, 2141, 2189, 2208, 2230, 2352, 2374, 2440, 2492, 2520, 2594, 2615, 2631, 2635, 2720, 2841, 2846, 2870, 2900, 2920, 3059, 3081, 3164, 3202, 3292, 3302, 3320, 3325, 3327, 3411, 3461, 3553, 3556, 3575, 3617, 3650, 3735, 3754, 3776, 3808, 3821, 3892, 3936, 3941, 3968, 3982, 3998, 3999, 4026, 4048, 4058]. **High** [44, 58, 75, 142, 146, 160, 681, 736, 1615, 1732, 1799, 1884, 2600, 2826, 2827, 2839, 3335, 3408, 3579, 3614, 3824, 3979]. **High-0rder** [2391]. **High-Accuracy** [3024, 3977, 3982]. **High-Contrast** [1911, 3202]. **High-Dimensional**

[2375, 2890, 3650, 3696, 3735, 3951, 4026]. **High-fidelity** [2230]. **High-Field** [3842]. **High-Frequency** [2284]. **High-Index** [3164]. **High-Order** [244, 282, 316, 320, 326, 330, 519, 525, 552, 565, 583, 632, 648, 730, 762, 869, 923, 1012, 1018, 1140, 1191, 1205, 1222, 1284, 1291, 1323, 1332, 1336, 1348, 1368, 1382, 1446, 1460, 1464, 1496, 1587, 1609, 1632, 1687, 1707, 1750, 1760, 1820, 1821, 1843, 1890, 1982, 2023, 2121, 2134, 2140, 2156, 2232, 2335, 2437, 2446, 2447, 2475, 2555, 2557, 2611, 2633, 2635, 2667, 2720, 2798, 2836, 2858, 2870, 2900, 2956, 2960, 3056, 3059, 3060, 3071, 3123, 3128, 3226, 3252, 3255, 3264, 3325, 3340, 3424, 3499, 3525, 3556, 3594, 3654, 3717, 3852, 3866, 3879, 3922, 3936, 3941, 3952, 3954, 3994, 4055, 4058]. **High-Order** [44, 160, 188, 193, 432, 444, 471, 501, 502, 548, 607, 681, 736, 764, 917, 1166, 1208, 1233, 1574, 1615, 1732, 1976, 2051, 2141, 2352, 2440, 2533, 2615, 2804, 2826, 2839, 2846, 3081, 3084, 3242, 3320, 3335, 3408, 3411, 3461, 3553, 3579, 3614, 3617, 3754, 3808, 3821, 3824, 3968, 3979, 3998, 3999, 4048]. **High-Precision** [1183]. **High-Probability** [3883]. **High-Resolution** [995, 1946, 2620, 3662]. **High-Speed** [232, 1170]. **Higher** [302, 315, 343, 528, 638, 663, 679, 821, 932, 1043, 1071, 1079, 1118, 1142, 1430, 1613, 1660, 1791, 1874, 1908, 2068, 2082, 2092, 2122, 3150, 3193, 3484, 3556, 3647, 3693, 3777, 4040]. **Higher-Order** [528, 638, 821, 1043, 1071, 1079, 1118, 1660, 2082, 2122, 3484, 3647, 3777]. **Highest** [1515, 1743]. **Highly** [496, 744, 828, 1068, 1082, 1117, 1221, 1383, 1426, 1667, 1722, 1822, 1998, 2314, 2513, 2559, 2878, 3068, 3098, 3471, 3513, 3515, 3828]. **Hilbert** [2699, 2937, 2968, 3419]. **Hilliard** [803, 851, 1054, 1241, 1418, 1560, 1601, 1724, 1748, 1945, 2018, 2178, 2224, 2226–2228, 2362, 2596, 2641, 2683, 2723, 2782, 2793, 2958, 3067, 3212, 3222, 3233, 3409, 3466, 3487, 3615, 3691, 3698, 3729, 3746, 3995, 4040, 4042, 4069]. **Hilliard-Darcy** [2227]. **HiMod** [2108]. **Hirota** [2203]. **History** [66, 422, 3622]. **History-Dependent** [3622]. **HJB** [1736, 3570, 4000]. **HJB-RBF** [3570]. **HLLC** [625, 3744]. **HOC** [903]. **Hodge** [1462, 1918, 2131, 3950]. **Hodgkin** [2665]. **Hohenberg** [2474, 2913, 3335, 3807]. **Hole** [1183]. **Holes** [291]. **Hollow** [553]. **Holm** [2599]. **Holomorphic** [1004, 1020, 1297]. **Homogeneous** [82, 166, 230, 235, 260, 701, 873, 1548, 1724]. **Homogenization** [353, 354, 560, 1835, 2215]. **Homology** [3636]. **Homotopy** [1725, 1785, 2009, 2539, 2840, 2923, 3023, 3463, 3532]. **Honor** [1916, 2231]. **Hood** [355, 1486, 3305, 3454]. **Hopf** [2427]. **Horizontal** [248, 959, 1557, 1929]. **hp** [1846, 1870, 2034, 2586, 2940, 3085, 3277, 3486, 3684, 3886]. **hp-Adaptive** [2034, 2586, 3684]. **hp}-discontinuous** [3277]. **hp-FEM** [1846]. **hp}-mesh** [3486]. **hp}-method** [2940, 3085]. **hp}-Multigrid** [3886]. **hp-version** [1870]. **HPX** [2415]. **Huggins** [3212]. **Hull** [2030]. **Humidity** [2618]. **Hunter** [3795]. **Hurricane** [906, 1062]. **Hurwicz** [2943, 3192, 3592]. **Huxley** [2665, 2935]. **Huygens** [2933, 2938]. **HWENO** [1645, 2032, 2153, 3623]. **Hybird** [3210]. **Hybrid** [86, 263, 271, 460, 699, 756, 821, 884, 939, 950, 1014, 1033, 1150, 1439, 1448, 1478, 1681, 1928, 1929, 1979, 1981, 2023, 2066, 2167, 2198, 2200, 2213, 2232, 2236, 2243, 2445, 2472, 2514, 2546, 2611, 2626, 2644, 2649, 2678, 2836, 2876, 2970, 2983, 2996, 3007, 3069, 3146, 3191, 3252, 3614, 3623, 3717, 3854,

3908, 3924, 3927, 3966, 4023, 4058]. **Hybrid-WENO** [2514]. **Hybridizable** [771, 850, 974, 1245, 1550, 1569, 1865, 2140, 2161, 2196, 2268, 2269, 2513, 2736, 2798, 3151, 3459, 3694, 3814, 3867, 3914, 3927]. **Hybridization** [1729, 2164]. **Hybridized** [1306, 1473, 1633, 1658, 2168, 2242, 2255, 2477, 2842, 3232, 3690]. **Hydraulic** [3073]. **Hydrodynamic** [434, 936, 1678, 1718, 2512, 2648, 3544]. **Hydrodynamical** [4012]. **Hydrodynamically** [3455]. **Hydrodynamics** [642, 643, 646, 1259, 2526, 2721, 2739, 3466, 3754, 3952]. **Hydrogen** [401, 413, 423, 745]. **hydromagnetic** [113]. **Hydrophobic** [4039]. **Hydrostatic** [1304, 1695, 2339, 2417, 2618, 2636, 2764, 3628, 3782]. **Hyper** [3346, 3968]. **Hyper-Reduction** [3346]. **Hyper-singular** [3968]. **Hyperbolic** [215, 221, 259, 274, 316, 374, 382, 427, 454, 484, 511, 528, 538, 565, 592, 617, 649, 653, 655, 659, 729, 748, 783, 839, 940, 944, 948, 1039, 1128, 1194, 1228, 1234, 1291, 1329, 1404, 1408, 1415, 1438, 1443–1445, 1448, 1449, 1458, 1530, 1543, 1597, 1621, 1664, 1693, 1705, 1856, 1917, 1928, 1957, 2153, 2172, 2251, 2308, 2331, 2356, 2359, 2368, 2394, 2505, 2533, 2563, 2586, 2587, 2594, 2610, 2636, 2675, 2748, 2823, 2837, 2965, 2987, 2997, 3045, 3066, 3089, 3101, 3112, 3123, 3211, 3242, 3316, 3325, 3400, 3403, 3425, 3689, 3781, 3797, 3809, 3916, 3930, 4017, 4019, 4052, 4056]. **Hyperbolic** [18, 24, 128, 269, 548, 687, 907, 1023, 1244, 1388, 1799, 1863, 1886, 1952, 2068, 2200, 2571, 2652, 2827, 3113, 3195, 3361, 3373, 3468, 3789, 3821, 3934, 3998]. **Hyperbolic/Parabolic** [1597]. **Hyperbolically** [1284]. **Hyperbolicity** [937, 3383]. **Hyperconcentrated** [955]. **Hypercube** [78, 82, 169, 252]. **Hypercubes** [217]. **Hypergraph** [3296, 3788]. **Hypergraphs** [2029]. **Hyperparameters** [3421]. **Hyperplane** [4050]. **Hypersingular** [1112, 1292]. **Hypersurfaces** [724, 2693]. **Hyperviscous** [142]. **Hypothesis** [1036]. **HyROMnet** [3346].

**I/O** [475]. **IBM** [152, 169]. **iDCA** [3805]. **Idea** [1941, 3529]. **Ideal** [550, 1869, 1979, 2244, 2535, 2671, 3175, 3255, 3745, 3779, 3937, 4005]. **Idealized** [2351]. **Identification** [510, 521, 1394, 1636, 1962]. **Identities** [513]. **IgA** [2947]. **IgA-DG** [2947]. **II** [47, 59, 153, 236, 374, 582, 630, 671, 729, 759, 933, 1031, 1287, 1539, 1550, 2265, 2518, 3051, 3253, 3712, 3791, 3865, 3912, 4032]. **IIF** [2954]. **IIF-WENO** [2954]. **III** [404, 693, 758, 1048, 3383]. **IIPG** [812]. **iLES** [3994]. **Ill** [828, 1188, 1389, 1432, 2316, 2891, 3064, 3161, 3398, 3514, 3766]. **Ill-Conditioning** [3514]. **Ill-Posed** [828, 1188, 1432, 2316, 2891, 3064, 3398, 3766]. **ILU** [178]. **Image** [26, 195, 310, 376, 397, 650, 727, 801, 814, 826, 833, 881, 986, 1032, 1084, 1120, 1121, 1129, 1130, 1178, 1212, 1215, 1252, 1266, 1290, 1360, 1364, 1391, 1395, 1470, 1483, 1499, 1523, 1570, 1589, 1628, 1660, 1685, 1700, 1703, 1721, 1782, 1786, 1850, 1864, 2006, 2144, 2214, 2280, 2297, 2309, 2362, 2575, 2605, 2622, 2803, 2844, 2880, 3003, 3036, 3062, 3074, 3181, 3214, 3260, 3267, 3284, 3298, 3338, 3449, 3549, 3580, 3587, 3689, 3747, 3768, 3835, 3838, 3850, 3960, 3976, 3986, 3988, 3990]. **Images** [72, 131, 146, 384, 494, 674, 1394, 1851, 1896, 1897, 2315, 3826]. **Imaginary**

[3285]. **Imaging** [1000, 2507, 2884, 4035]. **IMEX** [1503, 1921, 2570, 3059, 3102, 3208, 3312, 3344, 3745, 3937]. **Immediate** [3053]. **Immersed** [383, 1337, 1340, 1431, 1498, 1610, 1920, 1978, 2090, 2334, 2345, 2428, 2523, 2625, 2675, 2811, 2907, 3168, 3301, 3406, 3737, 3874, 3915, 4034]. **Immiscible** [849, 2623, 3852, 3853]. **Immobile** [3333, 3589, 3824]. **Impact** [692]. **Impedance** [2690, 3063, 3760, 4008]. **Imperfect** [2143]. **Implementable** [1583]. **Implementation** [21, 164, 354, 409, 479, 585, 645, 752, 887, 1046, 1053, 1384, 1746, 1854, 2002, 2128, 2355, 2613, 3025, 3137, 3172, 3211, 3348, 3678, 3719, 3806]. **Implications** [2296]. **Implicit** [117, 118, 126, 215, 261, 279, 325, 392, 484, 491, 533, 628, 680, 690, 742, 968, 1014, 1130, 1175, 1322, 1328, 1381, 1387, 1510, 1568, 1607, 1612, 1614, 1652, 1665, 1667, 1668, 1702, 1715, 1748, 1776, 1778, 1827, 1855, 1882, 1925, 1931, 1932, 1943, 1945, 1995, 2042, 2124, 2127, 2179, 2203, 2211, 2212, 2221, 2223, 2257, 2282, 2386, 2422, 2423, 2438, 2490, 2500, 2524, 2566, 2595, 2599, 2627, 2633, 2702, 2713, 2720, 2721, 3006, 3007, 3071, 3241, 3246, 3280, 3370, 3380, 3400, 3415, 3467, 3554, 3577, 3667, 3676, 3745, 3763, 3778, 3889, 3894, 3937, 3954, 3962, 3963, 3984, 3995, 3999, 4007, 4010, 4024, 4069]. **implicit** [71, 2218, 2226, 2439, 2545, 2793, 3556, 4018, 4053]. **Implicit-Explicit** [484, 628, 1014, 3995]. **Implicit/Explicit** [3006]. **Implicit/Explicit-SAV** [3006]. **Implicitly** [3130, 3845, 4013]. **Important** [5, 11, 189, 481, 1256]. **Imposing** [224]. **Imposition** [74, 819]. **Improve** [2039]. **Improved** [360, 676, 737, 1079, 1332, 1794, 1863, 1895, 1913, 2103, 2158, 2208, 2452, 2506, 2593, 2878, 3139, 3182, 3216, 3309, 3351, 3592, 3692, 3855, 3964, 4031, 4068]. **Improvement** [588, 925, 2417]. **Improvements** [1745]. **Improving** [215]. **Impulse** [1575]. **Incident** [246]. **Including** [3600]. **Inclusion** [2807, 3160, 3632]. **Inclusions** [657, 2902, 3449]. **Incommensurate** [3977]. **Incomplete** [136, 1302, 3211, 3229]. **Incompressibile** [895]. **Incompressible** [4, 77, 86, 87, 127, 143, 156, 170, 224, 231, 270, 272, 281, 320, 327, 343, 345, 355, 368, 371, 430, 451, 458, 492, 493, 532, 549, 576, 615, 728, 772, 776, 792, 841, 903, 933, 988, 989, 1048, 1056, 1125, 1174, 1180, 1236, 1310, 1349, 1370, 1400, 1428, 1464, 1482, 1500, 1511, 1519, 1537, 1619, 1742, 1772, 1779, 1788, 1814, 1843, 1904, 1951, 2023, 2048, 2064, 2122, 2189, 2257, 2363, 2364, 2381, 2506, 2607, 2608, 2641, 2790, 2906, 2916, 2943, 2960, 3104, 3192, 3209, 3259, 3282, 3317, 3426, 3428, 3454, 3464, 3521, 3522, 3540, 3542, 3690, 3707, 3823, 3852, 3871, 3875, 3886]. **Inconsistent** [2634]. **Incorporating** [3008]. **Increasing** [735, 887, 1046, 1079, 1254, 1453, 1581, 1725, 1940, 2201, 2491]. **Incurred** [2952]. **Indefinite** [595, 1108, 1221, 2948, 3436, 3985]. **Indentation** [1930]. **Independent** [17, 1911, 2413, 2814, 2879, 3329]. **Index** [1246, 1710, 2576, 3164, 3481]. **Indication** [3310]. **Indicator** [206, 623, 2385, 2593, 2598, 2626, 3642, 3918]. **Indicators** [147, 1033, 1839]. **Indices** [2371]. **Indirect** [1480, 1808]. **Induced** [801, 2217, 3261, 3785]. **Inductionless** [2887, 3075, 3547]. **Inequalities** [273, 726, 2390, 2417, 2699, 2817, 2968, 3076, 3536, 3643, 3699, 4004, 4033]. **Inequality** [1087, 2431, 2534, 2741, 2909, 2937, 2959, 2963, 3015, 3094, 3129,

3194, 3564, 3622, 3673, 3742, 3912, 4049]. **Inertial**
[2750, 2807, 2937, 2968, 3015, 3076, 3313, 3632, 3720, 4007]. **Inertial-Type**
[2750]. **Inexact**
[2079, 2285, 2286, 2682, 3177, 3180, 3424, 3668, 3835, 3860, 3928, 3969].
**Inextensible** [1431]. **Inf** [1556, 1971]. **Inf-sup** [1556, 1971]. **Infeasible**
[2327, 2749, 2898, 3811]. **Inference** [2896, 3131, 3650]. **inferior** [35].
**Infiltration** [234]. **Infinite**
[16, 35, 365, 672, 1139, 1468, 1649, 1909, 2008, 3405, 3847].
**Infinite-Dimensional** [1468]. **infinities** [1488]. **Infinity** [3751]. **Inflow**
[904, 1861, 2696, 3908]. **Inflow-Based** [1861]. **Influence**
[196, 1072, 2987, 3425, 4054]. **Information** [2093, 2117, 3016]. **Informed**
[3266, 3268, 3278, 3480, 3669, 3733]. **Inherent** [1778]. **Inhibiting** [1926].
**Inhibition** [75]. **Inhomogeneous**
[168, 187, 454, 914, 1093, 1346, 1376, 1623, 1720, 1749, 2675, 2951, 3725]. **Initial**
[28, 95, 106, 198, 222, 317, 500, 503, 723, 762, 1051, 1173, 1934, 2034, 2125, 2408,
2558, 2669, 2767, 2794, 2804, 2917, 2992, 3113, 3407, 3602, 3762, 3892].
**Initial-Boundary** [28, 2767]. **Initial-Value** [222]. **initial-valued** [95].
**Initial/Final** [723]. **Initial/Final-Value** [723]. **Initializing** [752]. **initio**
[335]. **inlet** [123]. **Inner** [462, 1668]. **Inner-Iteration** [1668]. **Innovation**
[3235]. **Inpainting** [1120, 3580, 3960, 3988]. **Input** [1582]. **Inputs**
[1621, 1921, 2396, 2455, 3195, 3604, 3735, 3972]. **Insensitive** [1824]. **Insight**
[3834]. **Insights** [2081]. **Inspired** [2432]. **Instabilities** [936, 964, 2081].
**Instability** [101, 1845, 3744]. **Integer** [2038, 2451]. **Integral** [7, 41, 249, 260,
409, 563, 794, 948, 1029, 1091, 1112, 1189, 1219, 1293, 1484, 1517, 1545, 1572,
1634, 1709, 1790, 1808, 1854, 1956, 1973, 2017, 2058, 2061, 2069, 2085, 2100, 2166,
2190, 2277, 2320, 2321, 2332, 2352, 2384, 2434, 2440, 2459, 2483, 2518, 2522, 2527,
2592, 2663, 2904, 2945, 3269, 3456, 3476, 3509, 3654, 3679, 3753, 3830, 3911, 4060].
**Integrals** [278, 677, 1101, 1112, 1292, 2109, 2142, 2325]. **Integrated**
[1102, 1674, 1675]. **Integrating** [146, 1646, 2502]. **Integration**
[77, 83, 306, 481, 487, 528, 626, 735, 738, 1175, 1222, 1257, 1363, 1469, 1711, 1812,
1838, 1938, 2127, 2130, 2211, 2233, 2422, 2592, 2794, 2832, 3098, 3220, 3370, 3503,
3583, 3667, 3775, 3904, 3943, 3962]. **Integrator**
[1429, 2804, 3111, 3523, 3692, 3743, 3791, 4068]. **Integrators** [789, 968, 1291,
1316, 2504, 2815, 2853, 2978, 3071, 3207, 3234, 3347, 3590, 3949, 4016]. **Integro**
[894, 1104, 1173, 1461, 1491, 1618, 1680, 1870, 2005, 2101, 2124, 2344, 2531, 3315,
3576, 3925]. **Integro-Differential**
[1104, 1173, 1491, 1618, 1680, 1870, 2005, 2531]. **Intel** [169]. **Intense** [1446].
**Interacting** [401, 413, 423, 1414, 1431, 2685, 2883]. **Interaction** [23, 207, 522,
694, 878, 898, 994, 1061, 1859, 2014, 2122, 2131, 3028, 3090, 3380, 3915].
**Interactions** [388, 2677, 3240, 3756]. **Interconnected** [3117].
**Interconnections** [3942]. **Interface** [196, 383, 398, 676, 690, 737, 788, 872, 956,
1209, 1340, 1349, 1431, 1582, 1599, 1698, 1735, 1911, 1920, 1978, 2011, 2070, 2090,
2143, 2168, 2195, 2334, 2345, 2458, 2463, 2520, 2555, 2653, 2670, 2692, 2811, 2862,
2907, 2993, 3021, 3068, 3089, 3128, 3168, 3190, 3301, 3318, 3322, 3437, 3541, 3566,

3572, 3661, 3664, 3685, 3737, 3764, 3874, 3902, 3967, 3993, 3999, 4034, 4061]. **Interface/Boundary** [3437]. **Interface/Boundary-Unfitted** [3437]. **Interfaces** [171, 391, 616, 994, 1086, 1098, 1380, 1387, 1666, 1763, 2208, 2920, 3070, 3121, 3128, 3306, 3340, 3364, 3410, 3730, 3803]. **Interfacial** [1600]. **Interior** [440, 608, 732, 767, 774, 797, 808, 839, 916, 1113, 1211, 1237, 1267, 1576, 1867, 2022, 2086, 2167, 2197, 2327, 2433, 2704, 2749, 2898, 2899, 2972, 3100, 3223, 3238, 3460, 3606, 3884, 3923, 3980]. **Interior-Point** [2327, 2898, 3460]. **Intermediate** [64, 943]. **intermittency** [49, 166]. **Intermittent** [3018]. **Internal** [318, 2621]. **Internet** [2922]. **Interplay** [3458]. **Interpolants** [567]. **Interpolated** [1337, 3228]. **Interpolation** [79, 119, 148, 198, 225, 253, 356, 391, 863, 901, 1204, 1280, 1581, 1902, 1944, 1953, 1956, 1964, 2016, 2021, 2109, 2173, 2194, 2274, 2296, 2508, 2573, 2581, 2616, 2656, 2771, 2792, 2819, 3004, 3231, 3326, 3404, 3432, 3486, 3964]. **Interpolative** [2718]. **Interpolatory** [1101, 2383, 2528]. **Interval** [35, 176, 365, 2786]. **Intervals** [16, 2008]. **Intrinsic** [3478, 3598]. **Intrinsically** [811]. **Introduced** [887]. **Introduction** [375, 556]. **Introductory** [1]. **Intrusive** [993, 1530, 2278, 2819, 3514]. **Invariant** [1026, 1427, 2217, 2423, 2438, 3151, 3179, 3391, 3916, 3953]. **Invariant-Domain** [3916, 3953]. **Invariants** [884, 1496, 1974, 2237]. **Inverse** [494, 1049, 1393, 1490, 1608, 1671, 1672, 1759, 2059, 2146, 2334, 2559, 2617, 2690, 2837, 2966, 3122, 3161, 3176, 3188, 3419, 3473, 3492, 3561, 3595, 3606, 3633, 3650, 3819, 3944, 4050]. **Inverses** [2988]. **Inversion** [199, 1265, 1737, 1987, 3973]. **Inverting** [3229]. **Investigation** [330, 1096, 1505, 1905, 2487, 3260]. **Investigations** [315, 1381, 3646]. **Inviscid** [458, 634, 1961, 2540, 2618]. **Invisibility** [2769]. **Involved** [1777, 2325]. **Involving** [260, 1266, 1509, 1516, 2775, 2920, 3090, 3342, 3908]. **Ion** [109, 1084, 2773]. **Ion-Channel** [1084]. **Ionic** [801]. **Ionization** [859, 1446]. **IP** [1639]. **IPDG** [1762]. **IPG** [3086]. **IPM** [3186]. **Irreducible** [3180, 3527]. **Irregular** [613, 762, 796, 863, 1333, 1518, 2180, 2440, 2458, 2499, 2920, 3396, 3499, 4045]. **Irregularly** [920]. **Irreversible** [3715]. **Isentropic** [1451, 1789, 2570, 4056]. **Isogeometric** [1810, 2601, 3710, 3921, 4069]. **Isoparametric** [3869]. **Isospectral** [2047]. **Isothermal** [597, 953, 2648, 2782]. **Isotropic** [179, 235, 658, 1276, 1279, 1341, 1427, 2252, 2678, 3830]. **Isotropy** [663]. **Isoviscous** [1992]. **Issue** [1000, 1916, 2231, 2448, 2488]. **Issued** [2712]. **Issues** [716, 962, 2340, 3084]. **Iterated** [1029, 1219, 1242, 3326]. **Iteration** [411, 727, 892, 1049, 1118, 1135, 1242, 1277, 1668, 1684, 1724, 1742, 2117, 2490, 2608, 2898, 3199, 3363, 3418, 3477, 3548]. **Iteration-Free** [2490]. **Iterations** [2688, 3108]. **Iterative** [106, 183, 218, 257, 554, 712, 766, 853, 1007, 1037, 1092, 1252, 1400, 1489, 1595, 1779, 1882, 2017, 2071, 2097, 2115, 2353, 2363, 2443, 2460, 2561, 2686, 2687, 2695, 2733, 2789, 2887, 2968, 3022, 3077, 3099, 3180, 3192, 3234, 3241, 3587, 3769, 3819]. **IV** [371].

**Jackson** [3655]. **Jacobi** [268, 387, 467, 535, 536, 579, 580, 591, 620, 622, 753, 835,

885, 890, 926, 1025, 1132, 1149, 1159, 1256, 1280, 1465, 1561, 1709, 1852, 1923, 1935, 1959, 2049, 2079, 2098, 2295, 2337, 2384, 2427, 2612, 2644, 2693, 2742, 2861, 2865, 2868, 2871, 3087, 3235, 3283, 3330, 3379]. **Jacobi-Bellman** [2693, 2742]. **Jacobian** [487, 1564, 1668, 3101, 3304]. **Jacobian-Free** [487, 1668, 3101]. **JCP** [3526, 3535]. **Jet** [3132]. **Jets** [431, 459, 670, 1123, 1722]. **Johnson** [2129, 3355]. **Joint** [2260, 2315, 2868, 3549, 3620]. **Joseph** [3021, 3073]. **Joule** [1251]. **JSC** [3526, 3535]. **Jump** [755, 1037, 1063, 1503, 2083, 2102, 2323, 2661, 2666]. **Jump-Diffusion** [1503]. **Jumps** [1708, 2637, 2875, 3758]. **Junctions** [1270]. **Just** [3478, 3598]. **Justification** [47, 4059].

**Kac** [1375, 1686, 1997, 2136, 2669, 2929]. **Kaczmarz** [4050]. **Kahan** [1493]. **Kahan-Type** [1493]. **Kansa** [1513, 1831]. **Kansa-Radial** [1513]. **Kantorovich** [2094, 2588]. **Kármán** [2454]. **Kawahara** [661]. **Kawahara-Type** [661]. **Kawasaki** [2439]. **KdV** [338, 482, 1374, 2198, 2758, 3846]. **KdV-Type** [2758]. **Keller** [773, 1105, 1936, 2311, 2445, 2713, 3652, 3967]. **Kelvin** [660]. **Kemeny** [873]. **Kernel** [1007, 1191, 1359, 1383, 1709, 1890, 2320, 2321, 2337, 2440, 2464, 2529, 3143, 3329, 3381, 3583]. **Kernel-Based** [2464, 3143, 3381]. **Kernel-Free** [2320, 2321, 2440]. **Kernel-Independent** [3329]. **Kernels** [695, 1837, 1870, 2069, 2201, 2340, 2434, 3513, 4043]. **Kerr** [1183]. **Khokhlov** [1922]. **Kind** [409, 1219, 2069, 2283, 2332, 2384, 2390, 2434, 2592, 3476, 3513]. **Kinematic** [121, 936]. **Kinetic** [163, 214, 216, 424, 572, 628, 667, 697, 714, 941, 1138, 1198, 1208, 1492, 1547, 1796, 1834, 1903, 1931, 2130, 2211, 2272, 2291, 2585, 2752, 2816, 2831, 2870, 2983, 3051, 3469, 3634, 3786, 3851, 3994]. **kinetic-type** [163]. **Kinetics** [39, 1250]. **Kirchhoff** [1729, 2129, 2268, 3094, 3576, 3752]. **Klein** [2838, 2971, 3234, 3446, 3692, 3709]. **Koebe** [1671, 1672]. **Kohn** [1151, 2346, 3965]. **Kolmogorov** [2868, 2914, 3384]. **Koornwinder** [3124]. **Korn** [2909, 4049]. **Korteweg** [1633, 1927, 1974, 3213, 3386, 3989]. **Kou** [1503]. **KPP** [1154]. **Krylov** [196, 487, 645, 752, 927, 1711, 1938, 2095, 2326, 2952, 3065, 3452, 3678, 3793]. **Kullback** [1289, 2834]. **Kuramoto** [101, 970, 3846]. **Kutta** [222, 287, 288, 361, 462, 483–485, 648, 696, 749, 758, 789, 860, 904, 1181, 1220, 1300, 1377, 1392, 1403, 1407, 1522, 1614, 1615, 1778, 1828, 1925, 1931, 1932, 2011, 2072, 2123, 2127, 2139, 2155, 2220, 2386, 2411, 2502, 2635, 2639, 2652, 2658, 2853, 2956, 2989, 3053, 3101, 3113, 3123, 3187, 3275, 3280, 3311, 3435, 3554, 3562, 3638, 3781, 3787, 3809, 3954, 4055]. **Kuznetzov** [1922].

**L1** [3276, 3534, 3576]. **L1-Galerkin** [3576]. **L2** [3508]. **L2-1** [3508]. **Labeled** [4036]. **Labeling** [3587, 3701]. **Ladyzenskaja** [1176]. **Lag** [2813]. **Lagging** [2083, 2515]. **Lagrange** [355, 633, 725, 867, 1763, 1988, 2413, 2532, 3056, 3218, 3996, 4062, 4065]. **Lagrangian** [168, 255, 346, 492, 743, 761, 789, 798, 920, 971, 986, 990, 1032, 1102, 1159, 1230, 1339, 1425, 1508, 1519, 1525, 1852, 1857, 1919, 1935, 1956, 2021, 2089,

2109, 2122, 2221, 2364, 2706, 2708, 2748, 2777, 2822, 2855, 2870, 2881, 2930, 3026, 3042, 3045, 3090, 3102, 3163, 3175, 3260, 3300, 3585, 3641, 3668, 3781, 3834, 3851, 3860, 3863, 4055]. **Laguerre** [551, 704, 805, 862, 1691, 2008, 4031]. **Laminar** [28, 134, 1337, 2002, 2607]. **Laminates** [385]. **Lanczos** [1341, 1580]. **Lanczos-Type** [1580]. **Landau** [1071, 1315, 1414, 1682, 2423, 2639, 3365, 3368, 3580, 3653, 4007]. **Landau** [**?**]Bai:2023:GLH. **Landmark** [1005, 1611]. **Landmark-Matching** [1611]. **Landscape** [963, 3164]. **Lane** [2501]. **Laplace** [358, 912, 1496, 1686, 1808, 1955, 2097, 2222, 2248, 2785, 2787, 3605, 3646, 3659]. **Laplacian** [199, 295, 640, 1049, 1470, 1490, 1944, 2056, 2183, 2304, 2357, 2420, 2541, 2770, 2874, 3029, 3072, 3296, 3651, 3751, 3799, 3830, 4060]. **Laplacians** [3037, 3342]. **Large** [13, 55, 63, 93, 101, 179, 218, 232, 320, 402, 431, 524, 539, 583, 847, 945, 949, 959, 963, 1092, 1188, 1333, 1563, 1580, 1611, 1654, 1714, 1746, 2095, 2316, 2720, 2808, 3058, 3138, 3161, 3202, 3270, 3307, 3330, 3379, 3384, 3397, 3452, 3480, 3484, 3502, 3585, 3655, 3727, 3781, 3786, 3816, 4046]. **Large-Eddy** [55, 232, 320, 524, 539, 847, 963]. **Large-Scale** [101, 1188, 1333, 1563, 1746, 3452, 3480, 3585, 3727, 4046]. **Large-Strain** [3270]. **Large-Time** [402]. **Largest** [3180]. **Laser** [284, 644, 646, 859]. **Lasso** [3585]. **Last** [574, 2905]. **Last-passage** [2905]. **Latent** [3387]. **Lattice** [129, 130, 204, 216, 255, 286, 299, 604, 663, 912, 970, 1043, 1071, 1100, 1106, 1172, 1177, 1259, 1315, 1326, 1330, 1337, 1696, 2642, 2674, 2730, 2820, 3215, 3830]. **Lattice-Boltzmann** [1177]. **Lattices** [3058, 4051]. **Lavrentiev** [1087]. **Law** [904, 1723, 3247, 3728, 3794, 3827, 3906]. **Laws** [174, 206, 267, 269, 274, 374, 404, 417, 427, 525, 538, 542, 555, 609, 617, 655, 659, 738, 907, 922, 939, 952, 981, 1024, 1085, 1094, 1099, 1128, 1194, 1228, 1244, 1291, 1305, 1329, 1404, 1407, 1438, 1444, 1445, 1448, 1458, 1464, 1533, 1539, 1621, 1664, 1693, 1715, 1745, 1795, 1799, 1855, 1886, 1928, 1952, 2016, 2032, 2040, 2105, 2153, 2200, 2221, 2331, 2356, 2368, 2394, 2444, 2476, 2494, 2557, 2563, 2586, 2587, 2598, 2997, 3027, 3045, 3089, 3101, 3112, 3123, 3134, 3153, 3241, 3242, 3325, 3361, 3373, 3390, 3468, 3505, 3642, 3704, 3786, 3789, 3821, 3912, 3916, 3930, 3998, 4052, 4055]. **Lawson** [4068]. **Lawson-type** [4068]. **Lax** [261, 603, 926, 928, 1444, 1445, 1472, 1759, 1792, 1799, 2563, 2747, 2926, 3469, 3812]. **Layer** [25, 99, 112, 331, 692, 806, 937, 943, 1103, 1156, 1227, 2213, 2339, 2713, 3039, 3485, 3545, 3773, 3931]. **Layered** [246, 1084, 1656, 1841, 2515, 2561, 2966]. **Layers** [15, 142, 227, 435, 568, 923, 1681, 2167, 2938]. **LBGK** [285]. **LDA** [1824]. **LDG** [451, 905, 1017, 1055, 1590, 1638, 3170, 3920]. **LDG2** [905]. **leading** [13, 48]. **Leak** [521]. **Leap** [915]. **Leap-Frog** [915]. **Leapfrog** [1381, 2398, 3426, 3966]. **Learn** [3481]. **Learnable** [3338]. **Learned** [3760, 3969]. **Learning** [1700, 1960, 2006, 2379, 2410, 2479, 2810, 2896, 2914, 2942, 2974, 3063, 3179, 3184, 3204, 3215, 3217, 3245, 3266, 3272, 3291, 3294, 3319, 3346, 3360, 3367, 3383, 3384, 3387, 3412, 3421, 3473, 3485, 3504, 3524, 3549, 3595, 3620, 3669, 3716, 3834, 3863, 4004, 4029]. **Learning-Based** [2810, 3346]. **Least** [301, 321, 322, 420, 468, 531, 541, 725, 1086, 1185, 1552, 1668, 1836, 2181, 2283, 2342, 2452, 2684, 2852, 3004, 3152, 3177, 3203, 3304, 3439, 3478, 3560, 3598, 3757, 4013]. **Least-Squared**

[2283]. **Least-Squares**
[301, 321, 420, 468, 531, 541, 1086, 2181, 2342, 2452, 3304, 3560, 3757].
**Least-Squares/Reduced-Basis** [2452]. **Least-Squares/Relaxation**
[2181]. **Leer** [2926]. **Leffler** [2184, 2559, 2809]. **LeFloch** [1713]. **Left** [3960].
**Legacy** [478]. **Legendre** [150, 200, 258, 367, 567, 641, 707, 805, 815, 862, 1051,
1067, 1104, 1256, 1413, 1572, 1618, 1634, 1775, 1834, 2545, 3082, 3114, 3666].
**Leibler** [1289, 2834]. **Lemarie** [241]. **Length** [680]. **Lens** [2405]. **Less** [4031].
**Level**
[72, 175, 374, 377, 380, 384, 392, 394, 408, 416, 448, 497, 512, 589, 615, 618, 679–
684, 686, 688–690, 724, 760, 763, 828, 902, 916, 995, 1123, 1125, 1201, 1345, 1379,
1400, 1478, 1500, 1520, 1557, 1608, 1732, 1761, 1764, 1779, 1800, 1977, 2030, 2087,
2147, 2262, 2388, 2520, 2521, 2544, 2608, 2628, 2661, 2676, 2751, 2826, 3000, 3105,
3295, 3434, 3447, 3459, 3520, 3684]. **Level-Set**
[690, 724, 902, 1345, 1732, 3295, 3447, 3684]. **Levels** [999]. **Levenberg**
[2001, 2276, 3955]. **Leverett** [1455]. **Lévy** [1214]. **Li** [2773]. **Li-Ion** [2773].
**Lid** [524, 537]. **Lid-Driven** [524, 537]. **Lie** [2872]. **Life** [2231]. **Lifshitz**
[402, 1682, 3365, 4007]. **Lifting** [1896]. **Light** [1987, 3307, 3747]. **Lighthill**
[721]. **Like** [785, 1595, 3108, 3130, 3432, 3454, 3525, 3704, 3784, 3878]. **Limit**
[683, 798, 820, 1011, 1550, 1829, 1833, 1931, 3707, 3894]. **Limited**
[985, 2216, 3290, 3681]. **Limited-Memory** [3290]. **Limiter**
[564, 1458, 1587, 2583, 2627, 2778, 3617, 3665, 3779, 3812]. **Limiters**
[378, 758, 1160, 1228, 1531, 1616, 2291, 2457, 3647]. **Limiting**
[550, 1651, 1693, 3053, 3123, 3280, 3494]. **Lindblad** [4070]. **Line** [265, 807, 911,
1888, 1956, 2085, 2109, 2401, 2409, 2522, 2861, 2937, 3213, 3399, 3588, 4066].
**Line-Based** [2401]. **Line-Search** [2937]. **Line-SIAC** [2409]. **Linear**
[210, 257, 296, 361, 442, 451, 479, 528, 557, 600, 627, 635, 705, 969, 975, 1065, 1141,
1147, 1180, 1205, 1230, 1240, 1277, 1351, 1361, 1471, 1540, 1551, 1567, 1613, 1641,
1664, 1674, 1675, 1724, 1778, 1794, 1849, 1873, 1921, 1924, 1925, 2013, 2022, 2025,
2070, 2101, 2106, 2139, 2177, 2249, 2252, 2277, 2288, 2291, 2308, 2312, 2379, 2380,
2406, 2470, 2536, 2565, 2591, 2614, 2690, 2725, 2733, 2736, 2756, 2776, 2818, 2829,
2858, 2921, 2965, 3052, 3066, 3089, 3118, 3127, 3176, 3273, 3299, 3331, 3403, 3417,
3433, 3437, 3546, 3582, 3626, 3736, 3763, 3765, 3766, 3781, 3788, 3802, 3826, 3849,
3906, 3922, 4017, 4050]. **Linear** [15, 91, 95, 149, 309, 316, 454, 457, 506, 518, 550,
687, 736, 754, 820, 904, 921, 997, 1024, 1082, 1108, 1162, 1305, 1320, 1322, 1354,
1427, 1515, 1530, 1584, 1603, 1604, 1653, 1731, 1790, 1863, 1898, 1943, 1950, 1984,
1989, 2026, 2086, 2130, 2138, 2157, 2170, 2203, 2218, 2251, 2285, 2286, 2298, 2322,
2354, 2377, 2384, 2422, 2450, 2454, 2460, 2465, 2512, 2551, 2556, 2610, 2641, 2643,
2652, 2684, 2688, 2712, 2753, 2888, 2924, 2984, 2998, 3026, 3029, 3097, 3113, 3131,
3137, 3163, 3190, 3202, 3240, 3249, 3276, 3349, 3384, 3419, 3450, 3470, 3490, 3530,
3625, 3633, 3666, 3680, 3712, 3725, 3731, 3778, 3801, 3934, 3999]. **linear** [2907].
**Linear-in-the-Parameters** [736]. **Linearisations** [2422]. **Linearity** [1809].
**Linearity-Preserving** [1809]. **Linearization** [2952]. **Linearized**
[776, 1124, 1307, 1682, 1762, 1894, 1967, 2135, 2151, 2209, 2210, 2388, 2402, 2603,
2713, 2729, 2802, 2812, 2838, 3395, 3576, 3946]. **Linearly** [698, 1190, 1196, 1522,

2438, 2599, 2633, 2815, 2832, 2852, 2917, 3071, 3100, 3441, 3585, 3984].
**Linearly-Convergent** [3441]. **Lines** [54, 654, 1770, 3201, 3546]. **Lions** [3999].
**Liouville** [1655, 1905, 2511, 2940, 3085]. **Lipid** [3455]. **Lipschitz**
[238, 2605, 2950, 3223, 3587]. **Liquid** [692, 849, 1508, 1678, 1995, 3856].
**Ljusternik** [1516]. **Load** [201]. **Lobatto** [258, 528, 2081, 3666, 3998]. **Local**
[125, 153, 289, 294, 344, 371, 376, 434, 442, 443, 543, 559, 636, 668, 690, 695, 779,
780, 802, 841, 926, 1007, 1009, 1017, 1047, 1058, 1087, 1097, 1146, 1212, 1233,
1242, 1261, 1281, 1286, 1287, 1312, 1362, 1391, 1401, 1418, 1487, 1667, 1695, 1700,
1713, 1731, 1742, 1750, 1814, 1874, 1875, 1922, 1935, 1936, 1945, 1953, 1982, 2052,
2147, 2149, 2176, 2209, 2210, 2237, 2240, 2241, 2257, 2264, 2265, 2270, 2280, 2311,
2438, 2470, 2509, 2524, 2538, 2562, 2602, 2707, 2727, 2787, 2788, 2862, 2924, 3011,
3048, 3105, 3119, 3162, 3182, 3254, 3264, 3439, 3440, 3577, 3756, 3846, 3848, 3852,
3864, 3880, 3892, 3963, 4018, 4020]. **Local**
[201, 269, 302, 733, 894, 1013, 1395, 1482, 1536, 1643, 1755, 1903, 1948, 1950, 1976,
2218, 2322, 2670, 2758, 2897, 2998, 3026, 3113, 3263, 3335, 3987].
**Local-Min-Orthogonal** [3182]. **Local-Structure-Preserving** [926, 1017].
**Localization** [3043]. **Localizations** [3806]. **Localized** [2156, 2568, 3362].
**Locally** [118, 453, 609, 698, 985, 1175, 1800, 2007, 2138, 2811, 2950, 3402].
**Locally-Conservative** [3402]. **Locating** [256]. **Location** [3873]. **loci** [184].
**Lock** [959]. **Locked** [284, 644]. **Locking** [1045, 2776, 3402]. **Locking-Free**
[1045, 2776, 3402]. **Loewner** [3133]. **Log** [3356]. **Logarithmic**
[2035, 3487, 3615]. **LoMaC** [4020]. **Long** [192, 331, 742, 782, 1313, 1845, 1958,
2017, 2154, 2677, 3058, 3098, 3515, 3692, 4068]. **Long-Range** [3058].
**Long-Term** [192, 1313]. **Long-Time** [742, 782, 1845, 3098, 3515, 3692, 4068].
**Longitudinal** [2961]. **Loop** [1373, 2679]. **Lorentz** [1111, 1644]. **Lorenz**
[4032]. **Loss** [937, 2763, 3523]. **Lossy** [498, 1288, 2966]. **Love** [3752]. **Low**
[18, 86, 133, 151, 203, 311, 478, 489, 582, 897, 1170, 1186, 1486, 1549, 1614, 1721,
1727, 1755, 1786, 1797, 1846, 1869, 2006, 2046, 2056, 2160, 2168, 2195, 2200, 2214,
2272, 2278, 2319, 2365, 2480, 2570, 2595, 2670, 2707, 2716, 2803, 2881, 2926, 2972,
3042, 3060, 3062, 3111, 3116, 3120, 3258, 3478, 3502, 3523, 3554, 3581, 3596, 3598,
3683, 3747, 3791, 3815, 3850, 3899, 3962, 3969, 3986, 4016, 4020].
**Low-CP-Rank** [3120]. **Low-Degree** [2716]. **Low-Dimensional** [478, 2319].
**Low-Dissipation** [1170, 2200, 3060, 3596]. **Low-Dose** [3969]. **Low-light**
[3747]. **Low-Mach** [1869, 2595]. **Low-Memory** [2278]. **Low-Rank**
[1186, 1755, 1846, 2006, 2195, 2365, 2480, 2881, 2972, 3042, 3062, 3258, 3502, 3581,
3683, 3815, 3850, 3899, 3962, 3986]. **Low-Regularity** [897, 3111, 3791].
**Low-Resolution** [2707]. **Low-Reynolds** [151]. **Low-Speed** [2926].
**Low-Storage** [1614, 2046]. **Lower** [1249, 1325, 1357, 1620, 2979, 3308, 3933].
**Lower/Upper** [1249, 1357]. **Lowest** [3317, 3358, 4044]. **Lowest-Degree**
[3317]. **LPS** [1613]. **LSQ** [111]. **LSQR** [3766]. **LST** [3494]. **Lucy** [1987].
**Lumped** [3219]. **Lyapunov** [2158, 2817].

**MAC** [1411, 1474, 2150, 2577, 3095, 3572]. **MacCormack** [691]. **Mach**
[18, 75, 133, 203, 311, 388, 459, 489, 670, 1450, 1869, 2212, 2307, 2570, 2595, 3745,

3817, 3937]. **Machine** [101, 2379, 2479, 3184, 3215, 3245, 3266, 3360, 3383, 3387, 3412, 3473, 3485, 3524, 3716, 3834]. **machines** [2974]. **Maclaurin** [677]. **Macroscopic** [674, 4020]. **Magma** [973]. **Magnetic** [1420, 1659, 1721, 2160, 2883, 3867, 3940]. **Magnetized** [2211]. **Magneto** [383, 490, 2512, 2721, 2739, 3466]. **Magneto-Aerodynamics** [490]. **Magneto-Hydrodynamic** [2512]. **Magneto-Hydrodynamics** [2721, 2739]. **Magneto-Rheological** [383]. **Magnetohydrodynamic** [607, 2160, 2244, 2887, 2916, 3075, 3464, 3961, 4023]. **Magnetohydrodynamics** [742, 776, 1400, 1500, 1593, 1779, 1979, 2335, 2363, 2381, 2535, 2537, 2778, 3068, 3175, 3192, 3417, 3521, 3547, 3745, 3937]. **Magnetohydronamics** [2608]. **Magnetostatic** [2640]. **Magnus** [3001]. **Mahony** [2437, 2602, 2812]. **Making** [3184]. **Management** [829, 3510]. **Manakov** [2872]. **Manifold** [752, 2006, 2056, 2214, 2425, 3450, 3473, 3489, 3607, 3811]. **Manifolds** [478, 1178, 2110, 2979, 3220, 3373, 3381, 3667]. **Manner** [941]. **Many** [713, 1479, 2302, 3809]. **Many-Particle** [713]. **Many-Stage** [3809]. **Map** [1117, 1297, 1956, 2774]. **Mapped** [467, 1030, 1150, 1594, 3361, 3686, 3708]. **Mapping** [185, 1255, 1594, 1671, 1672, 1831, 1895, 2634, 2912, 4028, 4054]. **Mappings** [1072, 2202, 2699]. **Maps** [1148, 1611, 2109, 2560, 2573]. **Marangoni** [403, 434]. **Marcher** [3132]. **Marching** [117, 144, 197, 219, 753, 2257, 3934, 4021]. **Markov** [873, 2102, 2323, 3217, 3307]. **Markovian** [9, 2896]. **Marquardt** [2001, 2276, 3955]. **Martensitic** [385]. **Martian** [910]. **Mass** [541, 846, 1058, 1787, 1899, 1917, 2014, 2182, 2249, 2262, 2445, 2793, 2923, 3052, 3218, 3219, 3273, 3440, 3660, 3709, 3935, 3946, 4062]. **Mass-** [541, 3709]. **Mass-Conservative** [846, 3935]. **Mass-conserving** [2793]. **Mass-Lumped** [3219]. **Mass-Preserving** [3218, 4062]. **Masses** [1227]. **Massively** [6, 172, 964]. **Master** [665]. **Matched** [331, 1103, 1387, 2938]. **Matching** [395, 647, 1488, 1611, 1900, 2280, 3146]. **Material** [366, 1659, 2350, 2506, 3121, 3340]. **Materials** [560, 698, 710, 2800, 2854, 3472, 3582, 4053]. **Mathematical** [234, 558, 672, 715, 840, 1000, 2727]. **Mathematics** [2681]. **Matrices** [13, 51, 93, 141, 245, 474, 595, 825, 1218, 1817, 1846, 1917, 2284, 2302, 2578, 2875, 3655, 3847, 3939, 4045]. **Matrix** [132, 233, 553, 930, 943, 1039, 1186, 1217, 1476, 1493, 1552, 1787, 2024, 2031, 2038, 2080, 2132, 2182, 2184, 2480, 2589, 2660, 2770, 2809, 2828, 2834, 2857, 2881, 2972, 3042, 3138, 3330, 3379, 3411, 3488, 3514, 3531, 3581, 3712, 3822, 3891, 3899, 3904, 3990, 4063]. **Matrix-Free** [1552, 3531]. **Matrix-Valued** [2182]. **Matrix-Vector** [930]. **Matter** [878]. **Max** [1486]. **Max-Norm** [1486]. **Maximal** [1314]. **Maximization** [2742, 3411]. **Maximum** [26, 981, 1228, 1464, 1605, 1787, 1980, 2055, 2151, 2368, 2677, 2770, 2812, 2826, 2829, 2983, 3081, 3247, 3275, 3280, 3319, 3331, 3579, 3903, 3942, 3984]. **Maximum-Norm** [3903]. **Maximum-Principle** [1787, 3579]. **Maximum-Principle-Satisfying** [981, 2368, 2826]. **Maxwell** [263, 449, 519, 648, 707, 768, 769, 797, 861, 891, 915, 1012, 1028, 1165, 1175, 1475, 1521, 1590, 1599, 1659, 1710, 1774, 1829, 1947, 2036, 2051, 2192, 2299, 2303, 2305, 2396, 2433, 2550, 2769, 2780, 2915, 2973, 3082, 3128, 3340, 3571, 3718, 3854, 3901, 3985, 4010].

**May** [315]. **MBE** [2985, 2995]. **MBO** [1973]. **MDCD** [3069]. **MDCD-TENO** [3069]. **Mean** [389, 464, 2077, 2622, 2868, 3188, 3197, 3942, 4024]. **Means** [995, 1575, 2223, 2252, 2914, 3310, 3987]. **Measure** [2923, 3775]. **Measurement** [3785]. **Measurement-Induced** [3785]. **Measurements** [657, 1737, 2240, 2707]. **Measures** [2317, 2830, 2921, 3442]. **Mechanical** [2378, 3009]. **Mechanics** [485, 1984, 2534, 3345, 3536]. **Media** [108, 246, 454, 543, 823, 837, 915, 1163, 1253, 1259, 1321, 1402, 1467, 1656, 1814, 1841, 1901, 1948, 2027, 2152, 2192, 2257, 2358, 2393, 2412, 2416, 2513, 2549, 2561, 2629, 2657, 2675, 2678, 2760, 2780, 2798, 2906, 2944, 2966, 3088, 3095, 3331, 3718, 3852, 3853, 3906]. **Medical** [1000]. **Medium** [733, 1083, 1376, 2011, 2705, 2813, 3039, 3303, 3567, 3956]. **Membership** [1685]. **Membrane** [3406]. **Membranes** [2682]. **Memory** [108, 902, 1119, 1352, 1510, 2216, 2278, 2488, 3133, 3156, 3290]. **Memory-Saving** [3133]. **Merton** [1063, 1503]. **Mesh** [96, 297, 418, 468, 473, 495, 523, 538, 659, 763, 792, 1062, 1119, 1151, 1194, 1208, 1384, 1543, 1861, 1958, 2071, 2104, 2138, 2180, 2194, 2296, 2301, 2334, 2437, 2441, 2579, 2734, 2772, 2791, 2839, 3233, 3293, 3413, 3424, 3430, 3486, 3524, 3669, 3779, 3836, 3878, 3996, 4048]. **Mesh-Dependent** [3878]. **Mesh-Free** [3524]. **Mesh-Informed** [3669]. **Mesh-Robustness** [3233]. **Meshes** [208, 268, 373, 470, 511, 513, 530, 540, 596, 598, 647, 662, 758, 793, 821, 834, 981, 1009, 1089, 1197, 1208, 1233, 1234, 1238, 1254, 1258, 1357, 1361, 1434, 1453, 1457, 1462, 1474, 1525, 1546, 1578, 1622, 1624, 1681, 1689, 1740, 1827, 1843, 1891, 2057, 2089, 2106, 2143, 2167, 2193, 2233, 2248, 2281, 2289, 2368, 2470, 2491, 2525, 2535, 2546, 2556, 2587, 2663, 2672, 2715, 2818, 2851, 2862, 2871, 2911, 2929, 2954, 2967, 2993, 3053, 3070, 3168, 3242, 3252, 3276, 3425, 3470, 3490, 3508, 3511, 3525, 3563, 3566, 3589, 3730, 3757, 3773, 3792, 3808, 3831, 3854, 3861, 3900, 3936, 3971, 4043, 4071]. **Meshfree** [1144, 3300, 3625, 3629, 3680, 3799]. **Meshless** [1381, 2148, 2464, 2897, 2901, 3921]. **Metamaterial** [1644]. **Metamaterials** [637, 1111, 1710, 2655, 3186]. **Method** [210, 323, 343, 442, 499, 517, 521–524, 559, 585, 641, 649, 709, 724, 729, 767, 769, 811, 916, 966, 975, 984, 1025, 1047, 1055, 1087, 1102, 1117, 1162, 1165, 1225, 1234, 1237, 1286, 1287, 1356, 1381, 1446, 1533, 1577, 1659, 1664, 1682, 1709, 1769, 1919, 1995, 2004, 2069, 2090, 2095, 2101, 2169, 2176, 2181, 2195, 2228, 2232, 2290, 2316, 2323, 2336, 2355, 2364, 2415, 2591, 2657, 2675, 2706, 2787, 2972, 3038, 3065, 3125, 3138, 3150, 3304, 3307, 3440, 3456, 3513, 3520, 3623, 3627, 3664, 3678, 3688, 3749, 3762, 3765, 3829, 3834, 3917, 3950, 3951, 3973, 4029]. **Method** [312, 338, 358, 443, 563, 636, 650, 698, 719, 753, 771, 772, 794, 875, 979, 1032, 1063, 1074, 1085, 1236, 1279, 1307, 1392, 1401, 1413, 1480, 1490, 1518, 1550, 1641, 1683, 1724, 1766, 1770, 1774, 1824, 1832, 1836, 1849, 1875, 1968, 2014, 2060, 2074, 2129, 2146, 2237, 2287, 2289, 2331, 2383, 2403, 2443, 2445, 2458, 2528, 2541, 2553, 2567, 2582, 2671, 2687, 2689, 2699, 2705, 2751, 2868, 2871, 2994, 3021, 3034, 3171, 3182, 3223, 3224, 3230, 3245, 3255, 3277, 3339, 3360, 3410, 3416, 3430, 3602, 3610, 3649, 3694, 3718, 3746, 3787, 3797, 3819, 3891, 3915, 3918, 3920, 3952, 3985, 4007, 4032, 4043, 4055].

**Method** [21, 202, 224, 276, 282, 326, 327, 340, 446, 464, 530, 664, 723, 731, 761, 763, 773, 802, 812, 992, 1010, 1105, 1175, 1191, 1296, 1304, 1337, 1400, 1456, 1505, 1512, 1522, 1528, 1551, 1554, 1555, 1625, 1627, 1714, 1866, 1900, 1927, 1928, 2023, 2067, 2071, 2106, 2164, 2180, 2205, 2209, 2210, 2239, 2276, 2312, 2324, 2335, 2359, 2378, 2381, 2423, 2433, 2473, 2525, 2534, 2537, 2550, 2552, 2596, 2630, 2646, 2733, 2878, 2916, 2928, 2936, 2951, 2982, 3023, 3048, 3055, 3077, 3094, 3185, 3208, 3239, 3267, 3306, 3318, 3332, 3374, 3424, 3486, 3539, 3546, 3594, 3654, 3773, 3774, 3793, 3796, 3929, 3970, 3980, 3992, 4040, 4050]. **Method** [198, 228, 322, 415, 496, 531, 533, 588, 600, 617, 693, 703, 717, 774, 791, 808, 835, 862, 879, 974, 990, 1078, 1097, 1113, 1201, 1235, 1245, 1272, 1472, 1488, 1493, 1508, 1514, 1524, 1553, 1559, 1656, 1728, 1730, 1737, 1814, 1861, 1876, 1882, 1885, 1911, 1929, 2009, 2010, 2013, 2147, 2155, 2199, 2246, 2248, 2271, 2319, 2328, 2329, 2334, 2349, 2432, 2452, 2503, 2527, 2539, 2580, 2607, 2701, 2702, 2732, 2805, 2818, 2847, 2854, 2857, 2938, 2955, 2959, 2962, 3135, 3256, 3262, 3273, 3281, 3329, 3342, 3352, 3378, 3422, 3437, 3481, 3512, 3516, 3569, 3653, 3690, 3781, 3800, 3837, 3887, 3971, 4020, 4044, 4051, 4064]. **Method** [223, 272, 383, 414, 507, 513, 519, 654, 683, 743, 776, 787, 797, 848, 864, 882, 905, 908, 977, 1009, 1027, 1086, 1100, 1124, 1125, 1141, 1180, 1190, 1198, 1216, 1230, 1243, 1269, 1298, 1340, 1431, 1455, 1478, 1520, 1549, 1621, 1626, 1643, 1729, 1765, 1801, 1881, 1933–1935, 1957, 1969, 1973, 2015, 2043, 2063, 2083, 2149, 2159, 2166, 2249, 2268, 2392, 2453, 2477, 2548, 2565, 2581, 2700, 2704, 2730, 2736, 2746, 2749, 2756, 2811, 2843, 2954, 2981, 3039, 3049, 3124, 3144, 3156, 3162, 3168, 3192, 3290, 3313, 3319, 3379, 3460, 3479, 3564, 3565, 3692, 3700, 3729, 3750, 3759, 3853, 3866, 3879, 3923, 3927, 4000, 4061]. **Method** [225, 410, 418, 460, 537, 538, 593, 621, 694, 750, 885, 948, 989, 1017, 1178, 1194, 1278, 1317, 1378, 1405, 1448, 1513, 1540, 1557, 1587, 1610, 1677, 1711, 1815, 1830, 1831, 1840, 1862, 1878, 1915, 1936–1938, 1983, 1984, 2000, 2037, 2096, 2135, 2138, 2197, 2224, 2262, 2264, 2265, 2277, 2345, 2348, 2385, 2397, 2461, 2514, 2517, 2519, 2530, 2532, 2549, 2554, 2563, 2610, 2655, 2695, 2698, 2708, 2727, 2741, 2767, 2788, 2837, 2860, 2882, 2915, 2917, 2983, 3067, 3087, 3104, 3121, 3122, 3128, 3141, 3176, 3194, 3282, 3287, 3294, 3295, 3308, 3328, 3355, 3395, 3402, 3438, 3463, 3482, 3499, 3532, 3547, 3581, 3608, 3641, 3657, 3666, 3697, 3705, 3755, 3814, 3820, 3846, 3869, 3881, 3933, 3958, 4057]. **Method** [200, 205, 208, 291, 334, 341, 344, 406, 454, 455, 469, 539, 541, 603, 622, 633, 686, 688, 725, 756, 796, 888, 894, 953, 1029, 1066, 1080, 1095, 1187, 1207, 1222, 1267, 1273, 1324, 1343, 1473, 1475, 1517, 1527, 1529, 1591, 1648, 1735, 1780, 1790, 1888, 1982, 1999, 2062, 2142, 2161, 2168, 2179, 2253, 2255, 2301, 2344, 2354, 2401, 2418, 2420, 2437, 2446, 2447, 2506, 2644, 2672, 2694, 2703, 2744, 2831, 2977, 3008, 3051, 3082, 3106, 3107, 3116, 3119, 3146, 3173, 3292, 3323, 3363, 3380, 3423, 3436, 3464, 3476, 3494, 3500, 3508, 3509, 3551, 3606, 3674, 3679, 3684, 3717, 3720, 3798, 3832, 3892, 3911, 3941]. **Method** [292, 315, 391, 394, 395, 404, 511, 573, 584, 604, 630, 676, 690, 691, 718, 779, 815, 819, 836, 855, 895, 912, 924, 1003, 1041, 1051, 1136, 1146, 1202, 1226, 1281, 1305, 1310, 1339, 1349, 1396, 1412, 1427, 1433, 1504, 1586, 1588, 1594, 1623, 1630, 1632, 1633, 1658, 1661, 1699, 1704, 1747, 1779, 1797, 1808, 1838, 1901, 1945, 1980, 1990, 2094, 2160, 2273, 2285, 2286, 2318, 2343, 2346, 2374,

2428, 2455, 2472, 2486, 2498, 2521, 2562, 2566, 2590, 2637, 2753, 2869, 2899, 2924, 3025, 3070, 3097, 3170, 3172, 3191, 3228, 3260, 3276, 3279, 3337, 3431, 3450, 3592, 3668, 3693, 3732, 3767, 3872, 3908, 3936]. **Method** [260, 269, 346, 349, 351, 492, 551, 555, 687, 700, 780, 820, 920, 927, 970, 986, 1134, 1137, 1206, 1211, 1326, 1354, 1372, 1388, 1491, 1605, 1607, 1644, 1743, 1744, 1763, 1826, 1867, 1870, 1910, 2055, 2059, 2111, 2118, 2144, 2198, 2208, 2257, 2320, 2321, 2327, 2377, 2384, 2424, 2440, 2459, 2463, 2513, 2518, 2531, 2538, 2574, 2625, 2662, 2673, 2789, 2859, 2864, 2893, 2904, 2906, 2919, 2937, 2963, 3036, 3073, 3076, 3086, 3105, 3151, 3154, 3175, 3190, 3202, 3203, 3213, 3263, 3341, 3344, 3354, 3362, 3364, 3373, 3406, 3413, 3418, 3445, 3489, 3534, 3538, 3566, 3567, 3585, 3622, 3632, 3650, 3685, 3722, 3735, 3757, 3830, 3860, 3867, 3882, 3932, 3943, 3947, 3974, 3998]. **Method** [218, 661, 669, 692, 733, 755, 758, 805, 823, 898, 904, 918, 930, 951, 971, 1002, 1013, 1021, 1022, 1067, 1070, 1093, 1115, 1247, 1319, 1346, 1387, 1534, 1536, 1582, 1596, 1640, 1732, 1733, 1751, 1785, 1857, 1909, 1914, 1948, 1950, 1951, 1988, 1996, 2087, 2131, 2174, 2190, 2218, 2353, 2429, 2481, 2546, 2639, 2659, 2674, 2710, 2715, 2734, 2754, 2786, 2808, 2826, 2839, 2881, 2886, 2887, 2923, 3000, 3026, 3042, 3072, 3088, 3163, 3225, 3249, 3303, 3314, 3335, 3396, 3398, 3407, 3498, 3530, 3607, 3614, 3624, 3631, 3728, 3779, 3789, 3794, 3804, 3818, 3828, 3857, 3862, 3870, 3874, 3902, 3910, 3967, 3993, 4024, 4025, 4028, 4053, 4068]. **Method** [7, 13, 26, 33, 43, 50, 52, 63, 77, 93, 117, 118, 127, 152, 156, 163, 164, 170, 174, 175, 178, 183, 185, 192, 194, 457, 902, 999, 1094, 1172, 2940, 3085]. **Method-of-Lines** [654, 3546]. **Methodology** [963, 3945]. **Methods** [440, 441, 444, 480, 516, 526, 653, 675, 679, 770, 822, 837, 850, 870, 896, 967, 979, 1039, 1045, 1118, 1145, 1151, 1152, 1164, 1189, 1210, 1219, 1263, 1264, 1274, 1290, 1295, 1332, 1402, 1420, 1424, 1444, 1445, 1519, 1521, 1526, 1546, 1590, 1613, 1670, 1689, 1725, 1778, 1803, 1812, 1833, 1860, 1874, 1883, 1918, 1920, 1954, 1967, 1978, 2052, 2127, 2139, 2192, 2220, 2233–2236, 2281, 2393, 2475, 2557, 2667, 2713, 2725, 2747, 2752, 2836, 2850, 2921, 2967, 3066, 3103, 3178, 3209, 3232, 3241, 3270, 3301, 3345, 3435, 3503, 3542, 3630, 3638, 3695, 3763, 3930, 3954, 3965, 4071]. **Methods** [288, 305, 339, 352, 409, 445, 488, 495, 510, 527, 655, 701, 813, 860, 876, 929, 932, 1000, 1035, 1052, 1064, 1075, 1144, 1155, 1168, 1261, 1313, 1369, 1419, 1509, 1576, 1608, 1634, 1692, 1703, 1894, 1922, 1925, 2011, 2022, 2054, 2085, 2129, 2183, 2193, 2206, 2219, 2238, 2241, 2242, 2244, 2245, 2288, 2332, 2341, 2390, 2396, 2464, 2468, 2470, 2528, 2533, 2536, 2572, 2611, 2651, 2682, 2709, 2726, 2743, 2762, 2776, 2783, 2890, 2895, 2902, 2943, 3050, 3089, 3099, 3101, 3114, 3183, 3198, 3238, 3275, 3403, 3448, 3528, 3584, 3635, 3648, 3672, 3710, 3797, 3809, 3858, 3904, 3909, 3966, 3981, 4009, 4017]. **Methods** [221, 255, 301, 355, 361, 399, 425, 462, 479, 486, 514, 535, 713, 749, 775, 842, 858, 926, 949, 991, 1088, 1122, 1123, 1173, 1246, 1249, 1325, 1363, 1364, 1368, 1390, 1397, 1418, 1439, 1471, 1487, 1503, 1541, 1614, 1617, 1639, 1667, 1694, 1741, 1758, 1828, 1908, 1969, 1977, 2019, 2041, 2046, 2066, 2082, 2110, 2137, 2247, 2261, 2311, 2338, 2387, 2502, 2505, 2523, 2558, 2568, 2601, 2619, 2653, 2678, 2848, 2861, 2933, 2935, 2945, 2975, 3012, 3040, 3054, 3096, 3149, 3187, 3312, 3330, 3446, 3449, 3484, 3510, 3521, 3552, 3554, 3568, 3591, 3741, 3742, 3848, 3852, 3922, 3977, 4031, 4034].

**Methods** [317, 328, 452, 453, 473, 487, 509, 638, 645, 689, 696, 857, 915, 982, 1057, 1096, 1106, 1140, 1221, 1300, 1335, 1406, 1459, 1498, 1502, 1510, 1572, 1592, 1606, 1637, 1669, 1701, 1706, 1748, 1756, 1757, 1792, 1821, 2025, 2034, 2073, 2077, 2081, 2097, 2105, 2119, 2120, 2134, 2172, 2204, 2250, 2251, 2254, 2263, 2292, 2308, 2340, 2342, 2368, 2465, 2493, 2516, 2540, 2602, 2661, 2663, 2684, 2742, 2768, 2790, 2825, 2842, 2877, 2925, 2931, 2941, 2956, 2960, 2973, 3035, 3053, 3180, 3200, 3254, 3265, 3365, 3428, 3442, 3459, 3474, 3492, 3505, 3506, 3560, 3646, 3696, 3731, 3752, 3764, 3790, 3844, 3897, 3912, 3914, 3963, 4022, 4042, 4069]. **Methods** [222, 226, 266, 279, 294, 314, 350, 354, 392, 407, 426, 467, 468, 503, 518, 540, 545, 577, 738, 760, 809, 827, 845, 1036, 1040, 1143, 1166, 1185, 1232, 1367, 1463, 1468, 1481, 1499, 1574, 1601, 1635, 1646, 1651, 1666, 1673, 1753, 1783, 1798, 1904, 2003, 2012, 2092, 2104, 2114, 2121, 2140, 2141, 2152, 2163, 2269, 2282, 2326, 2352, 2363, 2376, 2398, 2426, 2431, 2522, 2524, 2551, 2608, 2635, 2638, 2658, 2666, 2803, 2874, 2907, 2950, 2957, 2999, 3015, 3064, 3148, 3199, 3291, 3293, 3300, 3302, 3390, 3427, 3477, 3490, 3536, 3577, 3600, 3637, 3663, 3725, 3777, 3816, 3843, 4013, 4027, 4033, 4058]. **Methods** [12, 27, 39, 53, 59, 74, 80, 81, 86, 98, 111, 124, 128, 134, 142, 146, 155, 158, 160, 188, 207, 287, 302, 547, 549, 550, 579, 704, 732, 766, 781, 786, 897, 1023, 1034, 1091, 1104, 1108, 1158, 1160, 1197, 1271, 1322, 1328, 1342, 1410, 1500, 1615, 1618, 1650, 1752, 1755, 1764, 1871, 1947, 1949, 1955, 1970, 1971, 1976, 2005, 2058, 2145, 2167, 2298, 2322, 2357, 2367, 2370, 2556, 2632, 2652, 2686, 2729, 2745, 2758, 2851, 2897, 2930, 2989, 3041, 3113, 3195, 3272, 3321, 3381, 3382, 3386, 3444, 3518, 3599, 3625, 3680, 3701, 3713, 3738, 3799, 3824, 3877, 3888, 3903, 3907, 3925, 3934, 3991, 3999, 4018]. **methods** [34, 41, 60, 61]. **Metric** [513, 2955, 3716]. **Metrics** [2791]. **Meyer** [951]. **MFS** [553, 914, 1171, 4021]. **MGFM** [2519, 3303]. **MGFM/AC** [2519]. **MHD** [163, 453, 470, 550, 582, 1629, 1742, 1791, 2567, 2671, 3022, 3060, 3255, 3779, 3817, 3871]. **Microflows** [1198, 1967]. **Microgravity** [379]. **Microlithographic** [195]. **Micromagnetics** [2422]. **Microscope** [2441]. **Microscopy** [2731]. **Microstructure** [385, 1428, 2773, 3121]. **Microwave** [575]. **Midpoint** [2422]. **migration** [40]. **Milstein** [1776, 2355]. **Milstein-Type** [1776]. **MIM** [3919]. **Mimetic** [1167, 2446, 2447]. **MIMO** [2095]. **Min** [3182]. **Mindlin** [438, 967, 1435, 2062]. **Minimal** [290, 636, 653, 1382, 3232, 3530, 3540, 3554, 3816, 3985]. **Minimally** [2278]. **Minimax** [359, 1372, 1516, 2264, 2265, 2297]. **Minimization** [397, 531, 582, 650, 1121, 1190, 1255, 1318, 1549, 1563–1565, 1648, 1684, 1906, 1986, 2107, 2114, 2292, 2310, 2333, 2353, 2494, 2604, 2664, 3036, 3392, 3543, 3569, 3740, 3813, 3913, 3965, 3976, 3991, 4035]. **Minimizations** [2532]. **Minimized** [2986, 3210]. **Minimizing** [1720, 2170, 2317, 2685, 3167]. **Minimum** [969, 1795, 3529, 3865]. **Mining** [2038]. **miniNode** [3]. **Minkowski** [377]. **minmod** [564]. **MINRES** [3933]. **Minus** [2366]. **Mirror** [2685, 3268, 3445]. **Miscible** [1683, 1814, 1948, 2257, 2416, 2629, 2765, 2906]. **MISTRAL** [847]. **Mittag** [2184, 2559, 2809]. **Mittag-Leffler** [2184, 2559, 2809]. **Mix** [4014]. **Mixed** [244, 346, 367, 441, 449, 450, 499, 601, 704, 717, 776, 795, 819, 822, 858, 891, 899, 908, 919, 941, 967, 979, 983, 1066, 1089, 1093, 1173, 1203, 1237, 1240, 1328, 1346,

1537, 1554, 1555, 1571, 1597, 1601, 1623, 1630, 1706, 1752, 1756, 1803, 1816, 1862, 1885, 1900, 1969, 1972, 2025, 2087, 2129, 2175, 2183, 2197, 2209, 2210, 2228, 2243, 2245, 2283, 2290, 2330, 2393, 2446, 2447, 2451, 2462, 2550, 2556, 2574, 2596, 2597, 2647, 2655, 2670, 2708, 2724, 2765, 2847, 2857, 2895, 2906, 2959, 3140, 3168, 3187, 3194, 3225, 3281, 3299, 3339, 3342, 3355, 3423, 3521, 3528, 3542, 3567, 3661, 3695, 3755, 3835, 3840, 3927, 3971, 4047]. **Mixed** [28, 171, 185, 736, 1069, 1971, 2703]. **Mixed-FEM** [2330]. **Mixed-Integer** [2451]. **Mixed-Primal** [3281, 3528]. **Mixed-Subordinate** [2857]. **Mixed-Type** [1816]. **Mixing** [75, 923, 959]. **Mixture** [1575, 2031, 2719]. **Mobile** [3333, 3589, 3824]. **Mobile/Immobile** [3589]. **Modal** [1849, 2300, 2467]. **Mode**
[284, 644, 874, 1001, 2174, 3193, 3519, 3982]. **Mode-Locked** [284, 644]. **Model** [204, 231, 235, 285, 308, 581, 625, 668, 720, 763, 773, 818, 884, 900, 938, 942, 967, 990, 1011, 1032, 1045, 1062, 1065, 1089, 1090, 1102, 1105, 1111, 1277, 1330, 1359, 1392, 1524, 1580, 1597, 1628, 1692, 1696, 1706, 1712, 1816, 1864, 1936, 1969, 1998, 2007, 2095, 2187, 2213, 2214, 2249, 2299, 2311, 2351, 2358, 2364, 2392, 2403, 2442, 2448, 2449, 2456, 2515, 2572, 2705, 2764, 2813, 2866, 2951, 2953, 2958, 2966, 3017, 3021, 3037, 3048, 3057, 3093, 3110, 3149, 3193, 3215, 3236, 3245, 3246, 3343, 3400, 3452, 3479, 3580, 3618, 3628, 3652, 3682, 3694, 3729, 3748, 3839, 3840, 3896, 4010, 4017, 4044]. **Model** [112, 150, 172, 181, 325, 406, 434, 656, 759, 906, 911, 912, 951, 970, 1043, 1066, 1071, 1084, 1203, 1268, 1308, 1315, 1326, 1345, 1370, 1415, 1570, 1630, 1644, 1678, 1788, 1946, 1951, 1965, 1974, 1984, 2018, 2027, 2050, 2056, 2070, 2138, 2177, 2297, 2343, 2395, 2439, 2501, 2529, 2549, 2562, 2575, 2605, 2623, 2641, 2643, 2648, 2737, 2820, 2821, 2880, 2908, 2909, 2990, 3002, 3003, 3068, 3073, 3090, 3131, 3201, 3229, 3233, 3243, 3254, 3291, 3311, 3353, 3360, 3372, 3401, 3411, 3412, 3426, 3455, 3497, 3507, 3519, 3555, 3587, 3643, 3711, 3803, 3827, 3856, 3859, 3882, 3967, 3988, 3999, 4002, 4012, 4019, 4039, 4056]. **Model-Reduction** [2449]. **Modeled** [2965, 3240]. **Modeling**
[131, 229, 231, 236, 240, 397, 403, 408, 416, 489, 710, 753, 859, 886, 1163, 1182, 1289, 1699, 1777, 1805, 1810, 1903, 1930, 1946, 1962, 1965, 2078, 2121, 2496, 2696, 2732, 2773, 2810, 2819, 3118, 3229, 3516, 3743, 3769, 3806, 3909, 4036]. **Modelling** [447, 1679, 2193, 2657, 3414, 3473]. **Models**
[104, 130, 207, 279, 469, 470, 493, 527, 663, 721, 736, 777, 806, 809, 880, 960, 1022, 1063, 1266, 1284, 1361, 1366, 1408, 1503, 1660, 1731, 1772, 1782, 1840, 1851, 1960, 1961, 2096, 2132, 2314, 2315, 2450, 2479, 2697, 2707, 2713, 2783, 2883, 2896, 2927, 3159, 3162, 3250, 3270, 3322, 3344, 3383, 3387, 3409, 3450, 3469, 3493, 3529, 3568, 3719, 3738, 3758, 3787, 3865, 3921, 4030]. **Moderately** [229]. **Modes**
[48, 1771, 2433, 2854, 3169]. **Modica** [3512]. **Modification** [201, 2926]. **modifications** [56]. **Modified**
[69, 183, 222, 228, 276, 336, 341, 576, 694, 719, 931, 951, 1226, 1344, 1441, 1455, 1484, 1584, 1691, 1836, 2035, 2169, 2320, 2321, 2478, 2519, 2620, 2847, 2937, 3021, 3139, 3197, 3303, 3518, 3572, 3609, 3632, 3662, 3665, 3792, 3980]. **Modular** [2590, 3279]. **Moiré** [4051]. **Molecular** [8, 120, 298, 3149]. **Molecules** [1600]. **Moment** [663, 697, 731, 1125, 1284, 1438, 1476, 1548, 1889, 1967, 2076, 2359, 2506, 2543, 2983, 3383, 3388, 3465, 3469, 4052]. **Moment-Based** [4052].

**Moment-Closure** [3469]. **Moment-of-Fluid** [2506]. **Moments** [2084]. **Momentum** [541, 1497, 3483, 3721, 4003, 4006, 4032]. **Momentum-Boosted** [4006]. **Monge** [929, 1114, 1716, 2094, 2175, 2181, 2328, 2329, 2405, 2530, 2588, 3506, 3656, 3914, 3947]. **Monitor** [418]. **Monitored** [3758]. **Monolithic** [1859]. **Monotone** [417, 753, 807, 1025, 1561, 2115, 2143, 2175, 2444, 2473, 3041, 3134, 3449, 3625, 3632, 3680]. **Monotonically** [1727]. **Monotonicity** [142, 462, 991, 1170, 2155, 2620]. **Monotonicity-Preserving** [1170]. **Monte** [149, 298, 714, 920, 1538, 2433, 2591, 2905, 2939, 3073, 3200, 3351, 3378, 3775, 3822, 3858, 3930, 4063]. **MOOD** [2679, 2876]. **Moreau** [3163]. **Morley** [2126, 2843, 3897]. **morphological** [34]. **Morphology** [715]. **Mortar** [350, 351, 358, 406, 530, 585, 601, 708, 769, 1353, 1900, 2967, 3183]. **Mortar-based** [2967]. **Mortar-Discontinuous** [769]. **Mortola** [3512]. **Moser** [1452]. **Motion** [389, 392, 422, 690, 1127, 1132, 1732, 2520, 3008, 3018, 3197]. **Motions** [1686]. **Motivated** [2936]. **Mouse** [1005]. **Movements** [1408]. **Mover** [2037]. **Moving** [398, 418, 466, 469, 470, 495, 538, 662, 688, 957, 1085, 1094, 1208, 1233, 1279, 1763, 1836, 1888, 1958, 1965, 2089, 2407, 2587, 2708, 2839, 3201, 3498, 3593, 3730, 3779, 3996]. **Moving-Water** [957, 2407]. **MPS** [4021]. **Müller** [951]. **Mullins** [3774]. **Multi** [154, 176, 327, 432, 473, 483, 497, 507, 589, 617, 632, 654, 671, 685, 710, 721, 763, 793, 872, 898, 1228, 1313, 1319, 1395, 1413, 1414, 1438, 1653, 1684, 1693, 1781, 1806, 1818, 1889, 1900, 1902, 1928, 2033, 2068, 2071, 2087, 2180, 2189, 2274, 2276, 2282, 2285, 2286, 2350, 2433, 2457, 2475, 2506, 2548, 2552, 2579, 2623, 2650, 2676, 2746, 2803, 2831, 2835, 2846, 2897, 2900, 2904, 2973, 2983, 3005, 3051, 3093, 3121, 3137, 3207, 3213, 3256, 3303, 3332, 3338, 3350, 3391, 3420, 3539, 3548, 3587, 3595, 3649, 3701, 3726, 3788, 3796, 3807, 3821, 3848, 3975, 3978, 3990]. **Multi-agent** [3595]. **Multi-Asset** [654]. **Multi-Block** [432, 632, 1684, 1781, 1818, 1900]. **Multi-Class** [721]. **Multi-Component** [2831, 3005, 3051, 3207, 3539, 3796]. **Multi-contact** [3548]. **Multi-D** [2835]. **Multi-Delayed** [2904]. **Multi-Dimensional** [617, 1228, 1413, 1693, 1806, 2033, 2068, 2189, 2650, 3093, 3338, 3975, 3978, 3990]. **Multi-Dimensions** [507, 2579, 2900, 2973]. **Multi-Domain** [327, 872, 3213]. **Multi-element** [2475]. **Multi-Fluid** [2623]. **Multi-frequency** [3726]. **Multi-fronts** [1414]. **Multi-implicit** [2282]. **Multi-Level** [497, 2087, 2676]. **Multi-Linear** [1653, 3788]. **Multi-Material** [2350, 2506, 3121]. **Multi-medium** [3303]. **Multi-Mesh** [473, 763]. **Multi-meshes** [793]. **Multi-modes** [2433]. **Multi-Moment** [1438, 1889]. **Multi-Order** [2552, 3137, 3256]. **Multi-particle** [898]. **Multi-phase** [2506, 3587, 3701]. **Multi-phase/Multi-material** [2506]. **Multi-quadric** [2071]. **Multi-Rank** [2803, 3350]. **Multi-resolution** [154, 176, 1928, 2746, 3332, 3391, 3420, 3821, 3848]. **Multi-scale** [710, 1319, 1395, 2983]. **Multi-Shifted** [2285, 2286]. **Multi-singularity** [3649]. **Multi-stage** [2457]. **Multi-step** [2276, 2846, 3807]. **Multi-symplectic** [2897]. **Multi-term** [1902, 2180, 2274, 2548].

**Multi-Value** [1313]. **Multi-Valued** [589, 685]. **Multiblock** [408, 416]. **Multiclass** [3471]. **Multicomponent** [662, 2993, 3494, 3957]. **Multiderivative** [1291, 1943, 3059, 3101]. **Multidimensional** [226, 810, 1138, 1705, 1858, 2179, 2384, 2586, 2702, 2797, 2926, 2956, 3045, 3173, 3211, 3334, 3571, 3642, 3983]. **Multidimensions** [360]. **Multidirectional** [1773]. **Multidomain** [107, 125, 140, 153, 171, 309, 391, 3082]. **Multifidelity** [3378]. **Multifluid** [1547, 2970]. **Multigrid** [30, 43, 47, 108, 114, 180, 337, 460, 650, 699, 760, 790, 851, 1136, 1185, 1269, 1298, 1444, 1445, 1780, 1847, 1852, 1969, 1997, 2129, 2183, 2281, 2538, 2594, 2862, 2868, 3073, 3130, 3370, 3418, 3434, 3546, 3640, 3737, 3886, 3910, 3972, 4038]. **Multigrid/Schwarz** [460]. **Multilabel** [1394]. **Multilayer** [498, 1304, 2719, 3057, 3628]. **Multilevel** [134, 208, 235, 488, 1050, 1200, 1585, 1690, 1867, 1876, 2306, 2375, 2461, 2591, 3073, 3263, 3351, 3765, 3858]. **Multilinear** [2171, 4000]. **Multimarginal** [3895]. **Multimodal** [3288]. **multimode** [29]. **Multiparameter** [1773]. **Multipartite** [3126]. **Multipatch** [3686, 3708]. **Multiphase** [272, 616, 1685, 3033]. **multiphoton** [122]. **Multiphysics** [2002, 3224]. **Multiple** [46, 828, 1149, 1168, 1172, 1193, 1206, 1372, 1516, 1564, 1606, 1696, 1725, 2009, 2130, 2285, 2286, 2539, 2582, 2599, 2753, 3167, 3182, 3457, 3482, 3553, 3638, 3666, 3759, 3881, 3953]. **Multiple-Block** [1564]. **Multiple-Relaxation** [3638]. **Multiple-Relaxation-Time** [1172, 1696]. **Multiple-Sets** [1606]. **Multiple-Subdomain** [2582]. **Multiplication** [930]. **Multiplicative** [1057, 1307, 1676, 1994, 2050, 2596, 2645, 2895, 3074, 3155, 3693]. **Multiplier** [355, 1763, 1988, 3056, 3973, 4065]. **Multiplier/Fictitious** [355]. **Multipliers** [633, 725, 1551, 2348, 2532, 3065, 3395, 3700, 3870]. **Multiply** [1148, 1297, 1671, 1672, 2279]. **Multiply-Connected** [1297]. **Multipoint** [3331]. **Multipoints** [225]. **Multipole** [1838]. **Multiquadric** [198, 1039]. **Multirate** [655, 738, 1014, 1168, 1522, 3312, 3348]. **Multiresolution** [407, 826, 833, 837, 1520, 1530, 2704]. **Multiscale** [582, 609, 847, 993, 1117, 1415, 1432, 1528, 2149, 2378, 2513, 2574, 2700, 2822, 3102, 3141, 3146, 3178, 3202, 3343, 3362, 3365, 3398, 3433, 3595, 3654, 3685, 3842, 3917, 4001, 4053]. **multischeme** [45, 66]. **Multistage** [1662, 1663, 1715]. **Multistep** [106, 991, 1708, 2688, 2989, 3429, 3963]. **Multisymplectic** [482]. **Multitude** [3458]. **Multivalued** [395]. **Multivariate** [2148, 2571, 4025]. **Multiwavelet** [1348]. **Multiwavelet-Based** [1348]. **Mumford** [1660]. **Müntz** [2527, 3599]. **Müntz-Collocation** [2527]. **MUSCL** [267, 2200, 2876]. **Myocardial** [3270]. **Mysteries** [2571].

**Naghdi** [942, 1045, 1264]. **Naghdi-Type** [1045]. **Nagumo** [3750]. **Nagumo-Type** [3750]. **Nano** [886]. **Nano-Optics** [886]. **Nanofluid** [2642]. **Nanomagnetic** [2400]. **Nanomagnets** [1991]. **Nanoscale** [2515]. **Narrow** [1081, 2067, 3044, 3047, 3857]. **Narrow-Band** [3044]. **Narrow-Stencil** [3047, 3857]. **Nash** [1452, 2266, 3463, 3532]. **Natural** [176, 1097, 1172, 1454, 1679, 1982, 2393, 2763, 3272, 3328, 3528, 3926, 4003].

**Nature** [577, 1034]. **Navier** [3, 36, 87, 101, 127, 138, 192, 227, 327, 343, 420, 426, 430, 520, 532, 597, 614, 702, 728, 772, 787, 788, 790, 816, 853, 877, 988, 1056, 1146, 1174, 1235, 1304, 1312, 1349, 1350, 1355, 1386, 1406, 1417, 1519, 1526, 1542, 1559, 1619, 1756, 1768, 1805, 1843, 1854, 1909, 1931, 1972, 2002, 2023, 2048, 2088, 2137, 2161, 2185, 2186, 2360, 2477, 2490, 2499, 2590, 2650, 2723, 2782, 2790, 2830, 2847, 2917, 2943, 2959, 3021, 3052, 3205, 3209, 3212, 3254, 3259, 3279, 3282, 3370, 3394, 3428, 3448, 3461, 3516, 3528, 3592, 3602, 3609, 3690, 3730, 3742, 3762, 3875, 3889, 3971, 3995, 3999]. **Navier** [805, 1069, 1640, 1971, 2482, 2585, 2886, 3006, 3862, 3910]. **Naviers** [694]. **Naydenov** [1777]. **NCAR** [491]. **Near** [1157, 3531, 3621]. **Nearest** [3978]. **Nearly** [297, 458, 1180, 2240, 3454, 3542]. **Necessary** [1480, 3766]. **Necrotic** [1090]. **Nédélec** [2640]. **NEFEM** [2256]. **Negative** [637, 1017, 1128, 1269, 1516, 1710, 1746, 3488, 4006]. **Negative-Order** [1017, 1128]. **Neighbor** [3135]. **Neighbor-Gradient** [3135]. **Neighborhood** [2327, 2749]. **Neighbors** [3053]. **Neighbourhood** [3978]. **Neither** [705]. **Nematic** [1508, 1678, 1995, 3856]. **Nernst** [293, 1326, 1894, 2209, 2210, 2466, 2835, 2847, 3032, 3448, 3657, 4010]. **Nested** [136, 223, 2281, 3234]. **Nesterov** [3341]. **Net** [3044, 4008]. **Network** [2157, 2649, 2713, 3080, 3189, 3230, 3338, 3392, 3480, 3491, 3500, 3727, 3738, 3887, 4026]. **Networks** [1392, 1670, 2665, 2679, 2856, 2946, 3044, 3142, 3165, 3216, 3243, 3266, 3278, 3295, 3309, 3369, 3433, 3473, 3559, 3647, 3669, 3670, 3704, 3733, 3760, 3783, 3822, 3842, 3863, 4041, 4046, 4063]. **Neumann** [1184, 1454, 1544, 1697, 2691, 2712]. **Neural** [2157, 2649, 2665, 2679, 2713, 2856, 2946, 3044, 3080, 3142, 3230, 3266, 3278, 3295, 3309, 3369, 3433, 3473, 3480, 3491, 3500, 3504, 3559, 3647, 3669, 3670, 3733, 3783, 3842, 3887, 4026, 4041]. **Neurodegenerative** [3909]. **Neuron** [2598]. **Neuroscience** [3660]. **Neutral** [798, 3096]. **Newton** [164, 487, 752, 853, 927, 1201, 1400, 1779, 1815, 1910, 1972, 2059, 2118, 2422, 2682, 2740, 2931, 3054, 3141, 3162, 3230, 3260, 3418, 3424, 3427, 3489, 3585, 3612, 3637, 3666, 3678, 3887, 3965, 4004, 4066]. **Newton-Based** [3054]. **Newton-Correction** [1815, 3666]. **Newton-Type** [1972]. **Newtonian** [1514, 1610, 1728, 3159, 3658, 4057]. **Next** [2728, 3266]. **Next-Generation** [2728]. **NFV** [3861]. **Nicolson** [1303, 1356, 1376, 1512, 1537, 1682, 1825, 1879, 1887, 1892, 2044, 2344, 2629, 2801, 2917, 3279, 3426, 3705, 3761, 3845]. **Nicolson-Leapfrog** [3426]. **Nitsche** [895, 1343, 2463, 2503, 2854, 3146, 3518, 3627, 4061]. **NMR** [1041]. **No** [224, 845, 1619, 2456, 2560, 2985, 2995, 4028]. **No-Collision** [2560]. **No-Slip** [1619]. **No-Slope-Selection** [2456]. **Nodal** [821, 869, 996, 1832, 2120, 2973, 3231]. **Node** [1025, 1027, 3495]. **Node-Centered** [1027]. **Nodes** [1166]. **Noise** [310, 1187, 1248, 1542, 1575, 1676, 1985, 1994, 2050, 2059, 2091, 2309, 2426, 2493, 2596, 2604, 2654, 2781, 2895, 3031, 3103, 3155, 3438, 3555, 3616, 3693, 3835, 3987]. **Noises** [3314]. **noising** [1008]. **Noisy** [706, 1003, 3181, 3204, 3285, 3412]. **Non** [323, 403, 412, 448, 449, 528, 557, 595, 598, 606, 613, 675, 701, 716, 757, 775, 807, 870, 940, 941, 993, 997, 1015, 1030, 1077, 1156, 1266, 1320, 1364, 1383, 1448, 1449,

1474, 1530, 1548, 1559, 1584, 1643, 1700, 1703, 1712, 1746, 1819, 1825, 1889, 1900, 1923, 1934, 1957, 1979, 1983, 2022, 2028, 2057, 2063, 2098, 2205, 2281, 2339, 2361, 2369, 2408, 2410, 2430, 2450, 2483, 2533, 2636, 2712, 2747, 2764, 2818, 2844, 2876, 2889, 2948, 2954, 2962, 2967, 2981, 3033, 3046, 3114, 3137, 3223, 3304, 3306, 3331, 3349, 3404, 3488, 3541, 3576, 3582, 3628, 3658, 3878, 3921, 3952, 3987, 4006]. **Non** [9, 306, 543, 550, 647, 732, 867, 889, 928, 1108, 1136, 1338, 1345, 1395, 1453, 1511, 1537, 1558, 1561, 1594, 1666, 1669, 1727, 1767, 1884, 1971, 2163, 2208, 2253, 2385, 2402, 2405, 2422, 2454, 2478, 2479, 2517, 2526, 2577, 2605, 2648, 2669, 2714, 2819, 2831, 2839, 2896, 3051, 3091, 3095, 3097, 3146, 3169, 3205, 3384, 3406, 3450, 3494, 3514, 3587, 3600, 3625, 3631, 3662, 3680, 3701, 3803, 3838, 3851, 3854, 3898, 4046]. **Non-backtracking** [2430, 4046]. **Non-Conforming** [1666, 2057, 2205, 2208, 2253, 2369, 2962, 2967, 3541, 3803]. **Non-conformity** [3854]. **Non-Conservative** [940, 2876, 2889, 3033]. **Non-Convex** [1669, 1923, 2526, 2844, 3205, 3631, 3838]. **Non-differentiable** [2479]. **Non-divergence** [2022, 2063, 3625, 3680]. **Non-equilibrium** [1712, 2361, 3952]. **Non-essential** [3878]. **Non-Flat** [2839]. **Non-Graded** [613, 1136]. **Non-harmonic** [1015]. **Non-Hermitian** [595]. **Non-Homogeneous** [701, 1548]. **Non-hydrostatic** [2339, 2636, 2764, 3628]. **Non-Ideal** [550]. **Non-Intrusive** [993, 2819, 3514]. **Non-isothermal** [2648]. **non-Lagrange** [867]. **Non-Linear** [528, 550, 557, 997, 1320, 1530, 1584, 2422, 2450, 2454, 2712, 3097, 3137, 3331, 3349, 3384, 3450, 3582]. **Non-Lipschitz** [3587]. **Non-Local** [543, 1395, 1643, 1700, 3987]. **Non-Markovian** [9, 2896]. **Non-Matching** [647, 1900, 3146]. **Non-monotone** [807, 1561]. **Non-Monotonically** [1727]. **Non-Negative** [1746, 3488, 4006]. **Non-nested** [2281]. **Non-obtuse** [2818]. **Non-oscillation** [1077]. **Non-Oscillatory** [675, 928, 1030, 1156, 1383, 1448, 1584, 1594, 1825, 1884, 1889, 1979, 2098, 2478, 2747, 2831, 3051, 3404]. **Non-Overlapping** [448, 1364, 1703, 2981, 3600, 3701]. **Non-perturbative** [3169]. **Non-Polynomial** [598, 1767]. **Non-quadratic** [2405]. **Non-rectangular** [1511]. **Non-Reflecting** [757]. **Non-self-adjoint** [2948]. **Non-selfadjoint** [1108, 2385]. **Non-separable** [3114, 3898]. **Non-slip** [1559]. **Non-Smooth** [716, 732, 870, 1266, 1345, 1934, 1957, 2402, 2408, 2517, 2533, 2669, 3046, 3304, 3576, 3838]. **Non-splitting** [3851]. **Non-Stabilized** [449]. **Non-staggered** [3662]. **Non-stationary** [1537, 1983, 3494]. **Non-Stiff** [3091, 3306]. **Non-strictly** [1449]. **Non-symmetric** [775]. **Non-Trivial** [323]. **Non-unified** [2163]. **Non-Uniform** [403, 606, 889, 1338, 1453, 1474, 1558, 1819, 2028, 2410, 2577, 2714, 2954, 3095, 3406, 3921]. **Nonclassical** [1067, 2816]. **Nonconforming** [530, 768, 891, 1064, 1086, 1089, 1098, 1141, 1161, 1195, 1249, 1258, 1325, 1353, 1739, 1853, 1966, 2172, 2345, 2463, 2517, 2631, 2741, 2795, 2909, 2935, 3094, 3249, 3375, 3560, 3568, 3635, 3778, 3804, 3888, 3993, 4040]. **Nonconservative** [748, 944, 1083, 3211]. **Nonconvergence** [1213]. **Nonconvex** [536, 1360, 1549, 1857, 1872, 1985, 2032, 2077, 2258, 2297, 2722, 2777, 2818, 2990, 3036, 3163, 3668, 3689]. **Nonergodic** [2348]. **Nonet** [410]. **Nonhomogeneous** [4034]. **Nonisometric** [2785]. **noniterative** [135]. **Nonlinear** [237, 249, 282, 326, 383, 442, 586, 650, 682, 731, 818, 832, 848, 869,

871, 880, 922, 929, 942, 946, 979, 994, 1128, 1189, 1201, 1220, 1251, 1261, 1374, 1487, 1533, 1535, 1552, 1577, 1667, 1680, 1696, 1709, 1719, 1725, 1777, 1802, 1912, 1954, 2009, 2082, 2089, 2099, 2105, 2137, 2164, 2176, 2192, 2215, 2221, 2237, 2241, 2245, 2375, 2387, 2434, 2473, 2476, 2624, 2676, 2702, 2746, 2759, 2805, 2810, 2823, 2832, 2840, 2857, 2872, 2878, 2890, 2918, 2954, 3009, 3040, 3063, 3071, 3079, 3125, 3161, 3182, 3208, 3277, 3306, 3342, 3346, 3446, 3457, 3483, 3510, 3584, 3594, 3623, 3736, 3800, 3807, 3841, 4009, 4055]. **Nonlinear** [359, 500, 501, 589, 593, 844, 851, 854, 918, 927, 1005, 1082, 1100, 1193, 1303, 1423, 1429, 1491, 1531, 1633, 1635, 1647, 1668, 1677, 1704, 1739, 1757, 1762, 1794, 1809, 1830, 1845, 1863, 1870, 1878, 1879, 1887, 1999, 2005, 2020, 2027, 2034, 2065, 2111, 2115, 2135, 2148, 2179, 2382, 2402, 2429, 2460, 2481, 2538, 2545, 2592, 2609, 2632, 2633, 2639, 2691, 2695, 2710, 2729, 2777, 2788, 2804, 2820, 2858, 2859, 2877, 2911, 2950, 2973, 2978, 2992, 3029, 3035, 3041, 3111, 3155, 3166, 3174, 3220, 3243, 3261, 3314, 3370, 3375, 3390, 3407, 3413, 3418, 3427, 3474, 3492, 3667, 3705, 3717, 3721, 3777, 3798, 3857, 3903, 3946, 3947, 3963, 3990, 3999, 4008, 4068]. **Nonlinear** [39, 63, 111, 127, 164, 174, 175, 1489, 2974, 3919]. **Nonlinearities** [1516, 1785, 3881]. **Nonlinearity** [3692]. **Nonlinearly** [1209]. **Nonlocal** [814, 1290, 1356, 1523, 1816, 1944, 2056, 2115, 2313, 2406, 2667, 2829, 2848, 2933, 3056, 3125, 3240, 3537, 3625, 3651, 3680, 4016, 4043]. **Nonmatching** [1089, 1419, 1424]. **Nonmonotone** [1162, 1318, 3550, 4004, 4009]. **Nonnegative** [2645, 2834, 2881, 3042, 3180, 3543, 3899]. **Nonnested** [3410]. **Nonorthogonal** [750]. **Nonoverlapping** [641, 1959, 2532, 2568]. **Nonperiodic** [144, 1301]. **Nonpolar** [1600]. **Nonpositivity** [1817]. **Nonprimitive** [1854]. **Nonreflecting** [197]. **Nonrelativistic** [1833, 3234]. **Nonsingular** [3761]. **Nonsmooth** [1173, 1318, 1360, 1751, 1857, 1913, 2258, 2418, 2545, 2554, 2766, 2804, 3036, 3297, 3341, 3476, 3573, 3689, 3762, 3811, 4028]. **Nonsquare** [2589]. **Nonstaggered** [3859]. **Nonstandard** [2241, 3434]. **Nonstationary** [2721, 3353]. **nonsteady** [3]. **Nonsymmetric** [626, 1134, 2460, 3263, 3958]. **Nonsymmetric/Symmetric** [3958]. **Nonuniform** [956, 1622, 2437, 2491, 2672, 2729, 2969, 3276, 3323, 3508, 3677, 3827, 3876]. **Nonuniformly** [1847]. **Nor** [705]. **Norm** [450, 456, 1017, 1128, 1217, 1486, 1573, 1583, 1685, 1707, 1980, 2031, 2055, 2151, 2327, 2547, 2604, 2622, 2851, 2990, 3248, 3261, 3875, 3878, 3903, 3920]. **Normal** [1861, 2873, 3098, 3169, 3206, 3679]. **Normal-Subdiffusion** [3679]. **Norms** [462, 1028, 2812, 2857, 3563, 4067]. **Note** [81, 174, 239, 614, 747, 1176, 2112, 3360, 3496]. **Notes** [1670]. **Notion** [1440]. **Novel** [626, 681, 1002, 1021, 1109, 1341, 1422, 1530, 1655, 1713, 2310, 2708, 2730, 2757, 2796, 2820, 2992, 3121, 3129, 3578, 3722, 3753, 3884, 3896, 3997]. **NPTC** [3044]. **NPTC-net** [3044]. **NRBC** [2769]. **NRxx** [984]. **Nuclear** [223, 1862, 2031, 2604, 3261]. **Nuclei** [715]. **NUFFT** [1973]. **Null** [3671]. **Number** [58, 75, 133, 151, 159, 203, 204, 240, 275, 459, 489, 537, 670, 1236, 1576, 1869, 2064, 2212, 2570, 2623, 2625, 2728, 2808, 3734]. **Numbers** [18, 88, 311, 388, 2132, 2160, 3745, 3817, 3937]. **Numerical**

[23, 25, 58, 92, 163, 202, 237, 268, 330, 402, 403, 472, 480, 520, 581, 680, 697, 723, 737, 829, 856, 870, 871, 923, 937, 938, 942, 980, 1011, 1014, 1145, 1151, 1163, 1209, 1299, 1309, 1375, 1381, 1446, 1505, 1507, 1521, 1613, 1680, 1687, 1723, 1802, 1805, 1812, 1820, 1833, 1869, 1875, 1967, 2048, 2181, 2195, 2206, 2233, 2314, 2341, 2375, 2389, 2456, 2541, 2588, 2614, 2618, 2636, 2667, 2683, 2707, 2717, 2723, 2726, 2760, 2936, 2974, 3110, 3235, 3236, 3253, 3331, 3467, 3503, 3520, 3558, 3562, 3615, 3664, 3751, 3774, 3795, 3829, 3841, 3909, 4059, 4070]. **Numerical** [101, 253, 278, 283, 289, 326, 355, 380, 381, 452, 459, 481, 496, 502, 537, 568, 642, 643, 667, 670, 694, 696, 713, 818, 830, 840, 848, 878, 887, 1059, 1100, 1111, 1170, 1183, 1198, 1320, 1347, 1358, 1457, 1470, 1560, 1562, 1572, 1606, 1768, 1772, 1777, 1816, 1821, 1845, 1892, 1939, 1998, 2042, 2083, 2110, 2134, 2149, 2178, 2215, 2217, 2227, 2262, 2328, 2329, 2332, 2342, 2494, 2515, 2530, 2549, 2654, 2660, 2737, 2738, 2848, 2856, 2927, 2953, 2996, 3057, 3156, 3215, 3262, 3384, 3415, 3458, 3506, 3507, 3510, 3552, 3645, 3646, 3657, 3662, 3721, 3729, 3752, 3764, 3802, 3832, 3837, 3846, 3879, 3906, 3977]. **Numerical** [10, 69, 97, 113, 116, 121, 123, 133, 203, 216, 218, 222, 287, 306, 311, 319, 390, 396, 407, 458, 576, 577, 582, 603, 610, 626, 677, 692, 715, 733, 734, 809, 820, 827, 852, 898, 952, 964, 970, 978, 1071, 1112, 1184, 1232, 1253, 1271, 1292, 1331, 1352, 1380, 1408, 1417, 1468, 1479, 1511, 1517, 1600, 1636, 1646, 1686, 1705, 1884, 1905, 1980, 2018, 2039, 2113, 2160, 2279, 2322, 2347, 2377, 2395, 2457, 2469, 2481, 2524, 2590, 2592, 2621, 2648, 2674, 2765, 2893, 2913, 2978, 3002, 3113, 3136, 3166, 3240, 3316, 3372, 3455, 3477, 3485, 3555, 3561, 3704, 3806, 3828, 3872, 3934, 3941, 3943, 3947, 4018]. **numerical** [30, 32, 57, 70, 110, 160, 161, 169, 170, 185, 186, 3253]. **Numerically** [382, 705, 1423, 2179, 2837]. **Numerics** [2681]. **Numerov** [2054, 3025, 3172]. **Nunziato** [884]. **NURBS** [3921]. **Nyström** [249].

**O** [475]. **Oberbeck** [1692]. **Object** [242]. **Object-Oriented** [242]. **objective** [2266]. **Objectives** [2950, 3457]. **Objects** [246, 260, 2264, 2265]. **Observability** [624]. **Observables** [820]. **Observation** [2873]. **Observations** [2722]. **Observed** [2896]. **Obstacle** [418, 1109, 1914, 2544, 2611, 2743, 4058]. **Obstacles** [1272, 1784, 2319, 3687, 3726, 3982]. **Obtain** [1027]. **Obtained** [3540]. **obtuse** [2818]. **Ocean** [172, 229, 408, 416, 435, 1699, 2351, 2692]. **Octree** [1136]. **Odd** [775, 812]. **ODE** [3591]. **ODEs** [477, 1598, 1646, 2127, 3504]. **Oedema** [3270]. **Off** [415, 3081, 3375, 4031]. **Offline** [1933, 2493, 2665]. **Offline-Enhanced** [1933]. **Offline-Free** [2493]. **Ohta** [2439]. **Oil** [618, 1777]. **Oldroyd** [328]. **Oleg** [1777]. **Once** [2609, 2867]. **One** [28, 71, 119, 280, 369, 404, 439, 555, 559, 594, 634, 635, 667, 735, 792, 800, 802, 820, 824, 1076, 1083, 1156, 1261, 1262, 1271, 1286, 1287, 1414, 1453, 1528, 1533, 1773, 1823, 1875, 1920, 1926, 1950, 1978, 2099, 2121, 2192, 2287, 2288, 2308, 2327, 2333, 2336, 2397, 2496, 2521, 2536, 2616, 2756, 2788, 2798, 2924, 3096, 3103, 3113, 3290, 3316, 3505, 3665, 3920, 3934, 3952, 3996]. **One-Dimension** [3113]. **One-Dimensional** [28, 280, 369, 594, 635, 667, 800, 820, 1076, 1083, 1156, 1261, 1271, 1528, 1875, 1920, 1950, 1978, 2099, 2121, 2496, 2521, 2756, 3103, 3505, 3665, 3920, 3996].

**One-Dimensional/Two-Dimensional** [2496]. **One-Fluid** [3952]. **One-Norm** [2327]. **One-Parameter** [1773, 3096]. **one-pass** [119]. **One-Phase** [71, 2798]. **One-Sided** [559, 735, 1453]. **One-step** [1926]. **One-Way** [2336, 3316]. **Online** [2574, 2665, 3612]. **Only** [2684]. **Ono** [3575]. **onto** [1671, 1672, 3637]. **Open** [933, 1048, 1506, 1777, 3806]. **Open-Source** [3806]. **OpenCL** [1964]. **Operator** [77, 137, 143, 233, 449, 624, 875, 1029, 1177, 1367, 1455, 1487, 1515, 1811, 1840, 1967, 1986, 2058, 2170, 2222, 2280, 2364, 2435, 2572, 2754, 2787, 2858, 2896, 3067, 3216, 3267, 3284, 3316, 3346, 3356, 3481, 3527, 3669]. **Operator-integration-factor** [77]. **Operator-Splitting** [2328, 2329, 2530, 3067, 3267]. **Operators** [56, 88, 159, 199, 361, 363, 364, 400, 461, 472, 632, 724, 794, 814, 872, 994, 1038, 1042, 1060, 1249, 1276, 1325, 1462, 1496, 1620, 1707, 2033, 2047, 2057, 2067, 2128, 2190, 2366, 2606, 2728, 2848, 2988, 3157, 3226, 3371, 3419, 3434, 3562, 3629, 3666, 3983]. **Optical** [806, 1359, 2192, 2529, 3481]. **Optics** [375, 886, 1655, 2940, 3085]. **Optima** [2009]. **Optimal** [495, 534, 535, 586, 612, 652, 672, 719, 740, 754, 774, 793, 822, 829, 899, 992, 1009, 1045, 1096, 1173, 1242, 1251, 1288, 1293, 1300, 1485, 1535, 1554, 1555, 1573, 1625, 1682, 1738, 1866, 1876, 1879, 1898, 1907, 1915, 1923, 1953, 1975, 1991, 1995, 2041, 2093, 2135, 2155, 2182, 2199, 2259, 2261, 2288, 2304, 2348, 2366, 2387, 2442, 2451, 2491, 2602, 2610, 2624, 2813, 2825, 2853, 2862, 2921, 2956, 2979, 2991, 3027, 3052, 3103, 3116, 3141, 3178, 3210, 3253, 3269, 3319, 3328, 3438, 3448, 3449, 3531, 3602, 3640, 3645, 3660, 3661, 3697, 3705, 3712, 3762, 3802, 3809, 3853, 3917, 3920, 3942, 3987, 4000, 4029, 4038, 4064, 4065]. **Optimal** [116, 775, 795, 815, 861, 1132, 1262, 1267, 1461, 1588, 1754, 1989, 2267, 2318, 2363, 2367, 2419, 2426, 2435, 2444, 2571, 2600, 2635, 2643, 2670, 2715, 2786, 2838, 2864, 2923, 2986, 3006, 3098, 3140, 3158, 3335, 3389, 3480, 3490, 3611, 3633, 3860, 3895, 3907, 3935, 4060]. **Optimal-Order** [3602]. **Optimality** [812, 1141, 1413, 1915]. **Optimally** [1927, 3682]. **Optimisation** [468]. **Optimization** [76, 208, 234, 404, 415, 604, 807, 1004, 1020, 1126, 1248, 1285, 1309, 1360, 1388, 1405, 1746, 1758, 1857, 1872, 2053, 2187, 2258, 2425, 2479, 2507, 2589, 2634, 2659, 2696, 2722, 2735, 2740, 2749, 2777, 2824, 2898, 2999, 3000, 3069, 3160, 3163, 3223, 3227, 3341, 3388, 3441, 3445, 3460, 3489, 3559, 3668, 3713, 3720, 3798, 3805, 3811, 3838, 3890, 3959, 3972, 4014, 4028]. **Optimization-Based** [1746]. **Optimizations** [1794, 3288]. **Optimized** [218, 514, 632, 1170, 1526, 1552, 1877, 2200, 2367, 2620, 2747, 2762, 2962, 3997]. **Optimizer** [3288]. **Option** [1214, 1503, 2060, 2097, 2637]. **Options** [654, 755, 759, 824, 852, 1063, 1242, 2096, 2572, 3344, 3676, 3758]. **Oracle** [4008]. **Oracle-Net** [4008]. **Orbits** [401, 413]. **Order** [244, 268, 343, 373, 422, 440, 480, 485, 516, 525, 552, 598, 624, 662, 663, 679, 748, 782, 816, 867–869, 923, 967, 972, 1018, 1118, 1147, 1159, 1161, 1192, 1223, 1274, 1277, 1286, 1287, 1299, 1314, 1323, 1332, 1382, 1424, 1446, 1496, 1519, 1525, 1546, 1566, 1613, 1645, 1665, 1687, 1689, 1707, 1724, 1750, 1760, 1860, 1874, 1890, 1917, 1919, 2069, 2133, 2136, 2187, 2192, 2212, 2232, 2364, 2442, 2456, 2475, 2557, 2667, 2675, 2748, 2823, 2836, 2855, 2966, 3079, 3150, 3153, 3193, 3226, 3245, 3252, 3360,

3417, 3630, 3635, 3749, 3817, 3894, 3952, 3954, 3994, 4005, 4055]. **Order** [202, 251, 282, 318, 326, 330, 339, 483, 486, 505, 528, 529, 533, 565, 586, 632, 664, 731, 739, 762, 772, 862, 865, 932, 939, 944, 1054, 1076, 1077, 1113, 1155, 1191, 1205, 1261, 1296, 1348, 1464, 1522, 1568, 1576, 1622, 1667, 1695, 1702, 1820, 1843, 1858, 1882, 1899, 1902, 1925, 1927, 1962, 2022, 2023, 2045, 2241, 2288, 2312, 2335, 2366, 2458, 2567, 2611, 2640, 2702, 2755, 2798, 2810, 2866, 2918, 2938, 3005, 3037, 3057, 3060, 3089, 3255, 3256, 3264, 3306, 3340, 3400, 3424, 3541, 3554, 3558, 3572, 3593, 3594, 3602, 3603, 3654, 3709, 3807, 3826, 3852, 3871, 3906, 3916, 3929, 3980, 4017, 4040]. **Order** [254, 275, 278, 281, 283, 357, 519, 730, 843, 883, 977, 987, 1017, 1027, 1079, 1128, 1140, 1228, 1269, 1276, 1284, 1355, 1368, 1430, 1438, 1457, 1460, 1465, 1486, 1502, 1503, 1562, 1584, 1587, 1649, 1660, 1748, 1759, 1765, 1772, 1791, 1794, 1801, 1821, 1840, 1937, 1981, 2015, 2016, 2046, 2063, 2082, 2098, 2177, 2227, 2261, 2361, 2368, 2397, 2406, 2540, 2555, 2569, 2593, 2633, 2653, 2704, 2746, 2749, 2767, 2819, 2843, 2853, 2858, 2877, 2889, 2917, 2927, 2958, 3030, 3049, 3056, 3071, 3123, 3128, 3149, 3156, 3343, 3353, 3355, 3415, 3452, 3457, 3473, 3484, 3493, 3499, 3523, 3525, 3639, 3641, 3647, 3677, 3750, 3752, 3848, 3866, 3879, 3922, 3964, 4044]. **Order** [239, 277, 306, 311, 315, 316, 320, 366, 368, 580, 583, 589, 605, 648, 673, 728, 778, 799, 921, 950, 1012, 1080, 1095, 1098, 1143, 1222, 1291, 1336, 1380, 1531, 1543, 1558, 1591, 1609, 1632, 1646, 1651, 1735, 1780, 1796, 1806, 1842, 1965, 1974, 1982, 2092, 2094, 2121, 2134, 2140, 2154, 2156, 2197, 2251, 2330, 2356, 2437, 2446, 2447, 2471, 2514, 2520, 2594, 2613, 2635, 2666, 2698, 2720, 2820, 2860, 2870, 2913, 2920, 2956, 2960, 2969, 3059, 3292, 3325, 3333, 3347, 3425, 3450, 3519, 3556, 3560, 3657, 3665, 3717, 3725, 3833, 3868, 3892, 3936, 3941, 3948, 3996, 4019, 4033, 4058]. **Order** [302, 348, 407, 468, 471, 544, 547, 548, 550, 582, 607, 656, 764, 815, 820, 890, 897, 917, 1040, 1044, 1051, 1133, 1166, 1195, 1208, 1233, 1328, 1346, 1354, 1373, 1494, 1574, 1605, 1616, 1623, 1666, 1762, 1826, 1945, 1976, 2012, 2051, 2068, 2086, 2103, 2115, 2122, 2141, 2151, 2162, 2189, 2208, 2226, 2274, 2303, 2320, 2321, 2352, 2370, 2374, 2377, 2382, 2440, 2478, 2492, 2497, 2501, 2575, 2615, 2616, 2643, 2745, 2841, 2893, 2900, 2924, 2997, 3081, 3154, 3293, 3302, 3320, 3327, 3334, 3358, 3394, 3411, 3414, 3461, 3470, 3553, 3575, 3577, 3617, 3634, 3693, 3754, 3772, 3777, 3799, 3808, 3821, 3856, 3901, 3903, 3932, 3935, 3968, 3998, 3999, 4048]. **Order** [44, 86, 88, 142, 160, 188, 193, 432, 444, 501, 502, 579, 638, 681, 732, 736, 801, 821, 904, 971, 981, 999, 1043, 1071, 1093, 1110, 1238, 1442, 1477, 1534, 1615, 1619, 1690, 1732, 1754, 1799, 1871, 1884, 2005, 2429, 2533, 2552, 2628, 2710, 2715, 2765, 2804, 2812, 2826, 2827, 2839, 2846, 2880, 2980, 3013, 3061, 3084, 3094, 3115, 3137, 3158, 3214, 3242, 3303, 3323, 3335, 3408, 3453, 3455, 3512, 3579, 3589, 3614, 3803, 3824, 3851, 3857, 3902, 3979]. **Order-** [3826]. **Ordered** [1025, 1661, 2085, 2522]. **Orders** [882, 3274]. **Ordinary** [479, 744, 1051, 1313, 1322, 1366, 1725, 1898, 1926, 2638, 3500, 3725, 3892, 4022]. **Ordinates** [806]. **Oriented** [242, 1050, 1481, 1626, 1835, 2371, 2453, 2614, 3421]. **Origins** [2460]. **Orthogonal** [706, 1023, 1356, 1512, 2112, 2142, 2689, 2861, 2934, 3108, 3152, 3182, 3353, 3362, 3382, 3493, 3504, 3881, 3932, 3955]. **Orthogonality** [105, 1243, 1857, 2425]. **Orthogonalization** [3352]. **Orthogonalization-Free**

[3352]. **Orthomin** [178]. **Orthonormal** [998, 3856]. **OSC** [2162]. **Oscillating** [222, 397]. **Oscillation** [1077, 3287, 3539, 3789, 3796]. **Oscillation-Free** [3287, 3539, 3789, 3796]. **Oscillations** [2711, 3670]. **Oscillator** [1837, 3405]. **Oscillatory** [675, 928, 1030, 1101, 1117, 1156, 1383, 1448, 1584, 1594, 1825, 1884, 1889, 1979, 2098, 2478, 2747, 2831, 2878, 3051, 3098, 3404, 3405, 3513, 3515]. **Oseen** [1152, 1501, 1556, 1742, 2232, 2413, 2436, 2608, 3198]. **Oseen-Type** [1742]. **Osher** [386, 940]. **osmotic** [1326]. **Other** [98, 2092]. **Out-of-Core** [995]. **Outflow** [280]. **Outlier** [1186]. **Outliers** [3616]. **Output** [1828, 3118]. **Outputs** [2732]. **Over-Collocation** [3450]. **Over-Penalised** [3923]. **Over-Penalized** [767, 916, 1237, 1267, 1435]. **Overapproximating** [387]. **Overcoming** [1923]. **Overintegration** [2120]. **Overlap** [2651]. **Overlapping** [448, 518, 750, 1364, 1409, 1703, 1877, 2368, 2470, 2981, 3600, 3701, 3752]. **Oversampling** [2574]. **Overset** [583, 3324, 3431].

**p** [2547]. **Padé** [567, 594, 2559, 2606]. **Padé-type** [2606]. **PageRank** [1199, 2430, 3484, 3788, 4046]. **Pair** [3330, 3379]. **Pairs** [1493]. **Pairwise** [3351, 3895, 4001]. **Pantograph** [1104]. **Papers** [3526, 3535]. **Parabolic** [117, 126, 212, 213, 332, 503, 568, 584, 726, 832, 894, 943, 978, 1067, 1122, 1173, 1261, 1356, 1363, 1408, 1461, 1553, 1567, 1597, 1615, 1635, 1680, 1690, 1698, 1719, 1739, 1762, 1763, 1809, 1878, 1879, 1934, 2025, 2043, 2124, 2134, 2241, 2245, 2344, 2375, 2383, 2402, 2470, 2666, 2708, 2718, 2729, 2746, 2802, 2804, 2841, 2877, 2901, 2907, 2979, 3027, 3119, 3191, 3248, 3315, 3349, 3407, 3499, 3518, 3597, 3623, 3806, 3857, 3869, 3904, 3925, 4009]. **Paradox** [1450]. **Parallel** [6, 21, 45, 52, 62, 66, 82, 108, 114, 128, 135, 136, 141, 152, 164, 167, 169, 172, 201, 205, 217, 223, 229, 237, 279, 298, 530, 583, 751, 811, 832, 853, 927, 964, 968, 1061, 1236, 1310, 1328, 1482, 1500, 1721, 1742, 1746, 1818, 1888, 1964, 2037, 2088, 2094, 2116, 2270, 2538, 2668, 2733, 2757, 2761, 2939, 2947, 3009, 3021, 3025, 3044, 3048, 3059, 3171, 3172, 3254, 3257, 3477, 3608, 3780, 3786, 3862, 3926]. **Parallel-in-Time** [3025, 3059, 3172]. **Parallelism** [408, 416]. **Parallelization** [1783, 2415]. **parallelized** [186]. **Parallelizing** [126]. **Parameter** [204, 333, 367, 415, 665, 1366, 1389, 1773, 1822, 1962, 2001, 2009, 2106, 2497, 2576, 2879, 3023, 3077, 3096, 3286, 3458, 3815, 3864]. **Parameter-Dependent** [3077]. **Parameter-Independent** [2879]. **Parameterisation** [496]. **Parameterization** [1506, 3019]. **Parameterizations** [1341, 1906, 2310, 3221, 3740, 3913]. **Parameterized** [1817, 2452, 2819, 3100, 3245, 3360, 3393, 3519]. **Parameters** [736, 861, 1758, 2050, 2507, 2721, 2739, 2853, 2962, 3310, 3414, 3645, 3934, 4047]. **Parametric** [599, 673, 1386, 1694, 1897, 2840, 2856, 3200, 3369, 3412, 3551]. **Parametrization** [3473]. **Parametrized** [988, 992, 1228, 1616, 1961, 2041, 2454, 2643, 2810, 2958, 3346]. **Parareal** [1598, 2324, 2698]. **Parareal-Euler** [1598]. **Paraxial** [646]. **Pareto** [2266]. **Parsimonious** [3215]. **Part** [439, 520, 649, 729, 1257, 1286, 1287, 1372, 1516, 1550, 2264, 2265, 2571, 2725, 3253, 4032]. **Partial**

[90, 136, 164, 173, 202, 238, 256, 264, 302, 333, 398, 562, 731, 741, 756, 832, 1068, 1086, 1206, 1218, 1286, 1287, 1352, 1518, 1530, 1635, 1665, 1694, 1815, 1821, 1874, 1943, 1962, 2039, 2043, 2094, 2165, 2216, 2235, 2324, 2354, 2367, 2375, 2391, 2404, 2464, 2544, 2681, 2689, 2727, 2820, 2828, 2946, 2974, 2982, 3061, 3184, 3245, 3309, 3330, 3347, 3360, 3369, 3379, 3485, 3519, 3537, 3556, 3655, 3666, 3675, 3735, 3783, 3809, 3815, 3890, 3904, 3962, 4026]. **Partially** [746, 2896, 2907, 3484, 3720]. **Particle** [7, 168, 338, 422, 424, 527, 713, 719, 898, 1144, 1178, 1431, 1463, 1478, 2354, 2507, 2731, 2814, 3105, 3148, 3471, 3940, 4027, 4032]. **Particle-in-Cell** [168, 424, 3148, 4032]. **Particle-Method** [719]. **Particle-without-Particle** [2354]. **Particles** [2400]. **Particular** [1304]. **Partition** [404, 612, 1296, 1433, 1482, 1617, 2088, 2340, 2657, 2751, 3806, 4065]. **Partition-of-Unity** [3806]. **Partitioned** [1322, 1407, 2122, 2343, 3380]. **Partitioning** [191, 3788]. **Partitions** [587, 1673, 3897]. **Parts** [363, 400, 461, 632, 872, 994, 1038, 1042, 1707, 1798, 2003, 2033, 2086, 2205, 2394, 2555, 2564, 2586, 2794, 2816, 2842, 3047, 3154, 3265, 3306, 3325, 3371, 3741, 3945, 3983, 4071]. **Pass** [119, 2944, 3135]. **Passage** [2373, 2905]. **Passes** [3734]. **Passive** [166, 247, 393, 875]. **Past** [8, 544, 605, 903, 2342]. **Patch** [1575, 3031]. **Patch-Based** [1575, 3031]. **Patches** [2657]. **Path** [83, 948, 952, 2850, 2970, 3100, 3250]. **Path-Conservative** [952, 2850, 2970, 3250]. **Path-Integral** [948]. **Pathfinding** [2002]. **Paths** [969]. **Patient** [3414]. **Patient-Specific** [3414]. **Patlak** [1105]. **Pattern** [469, 711, 2951]. **Patterning** [3738]. **Patterns** [146, 285, 397, 2302, 3495]. **PCA** [3612]. **PCBC** [2202]. **PDAEs** [2681]. **PDE** [95, 117, 586, 592, 897, 987, 1096, 1193, 1388, 1485, 1588, 1704, 2318, 2460, 2914, 3351, 3805, 3972, 4030]. **PDE-Constrained** [1388, 1485, 3805, 3972]. **PDE's** [128, 221, 396, 505, 588, 696, 732, 881, 918, 978, 1155, 1201, 1239, 1373, 1439, 1553, 1643, 1667, 1705, 1736, 1937, 1974, 2022, 2092, 2097, 2148, 2149, 2159, 2215, 2288, 2340, 2379, 2383, 2428, 2452, 2455, 2468, 2694, 2810, 2827, 2832, 2874, 2890, 2897, 2901, 2950, 2987, 3078, 3102, 3165, 3176, 3182, 3200, 3215, 3300, 3302, 3326, 3346, 3396, 3425, 3570, 3610, 3645, 3752, 3755, 3857, 3887, 4000]. **PDFs** [546]. **PDHG** [3436]. **Peaceman** [212, 2473]. **Peano** [695]. **Peer** [1459, 2073]. **Penalised** [3923]. **Penalization** [3091]. **Penalized** [767, 916, 1237, 1267, 1410, 1435, 2015, 2428, 2743, 2907]. **Penalties** [732, 872, 2086, 2555]. **Penalty** [117, 440, 608, 654, 658, 707, 767, 774, 797, 808, 839, 861, 916, 989, 1074, 1113, 1237, 1267, 1296, 1349, 1417, 1431, 1563, 1576, 1640, 1723, 1779, 2022, 2096, 2167, 2197, 2297, 2363, 2433, 2608, 2704, 2899, 3238, 3356, 3470, 3762, 3811, 3884, 3923, 3929, 3961, 3980]. **Penalty-Free** [3470, 3929]. **Penalty-projection** [3961]. **Pencils** [2589, 3108]. **Perfect** [2915]. **Perfectly** [331, 475, 1103, 2938]. **Performance** [116, 350, 777, 782, 1062, 1590, 1745, 1746, 1794, 2415, 2791]. **Performances** [215]. **Peridynamic** [2138, 2821]. **Peridynamics** [1984]. **Periodic** [41, 209, 238, 888, 1253, 1452, 1656, 2080, 2378, 2414, 3326, 3718, 3736, 3982]. **Periodically** [560]. **Periodicity** [3186]. **Periodizing** [626]. **Permeability** [4044]. **permeable** [2510]. **Perspective** [2117, 3214]. **Perturbation**

[107, 194, 423, 703, 791, 888, 2156, 2843, 3879, 3980]. **Perturbations** [2155]. **perturbative** [3169]. **Perturbed** [757, 996, 1317, 1347, 1401, 1858, 1875, 1908, 2127, 2167, 2553, 2680, 2980, 3078, 3179, 3187, 3248, 3262, 3293, 3563]. **Peter** [951]. **Petrov** [661, 664, 1491, 1999, 2418, 2786, 3438, 3874]. **Petviashvilli** [1527]. **PFC** [2927]. **Phase**
[71, 177, 371, 423, 615, 618, 676, 683, 715, 720, 792, 809, 849, 1053, 1125, 1231, 1281, 1370, 1386, 1420, 1524, 1557, 1712, 1718, 1772, 1788, 1888, 1895, 2007, 2018, 2083, 2152, 2226, 2333, 2393, 2395, 2515, 2641, 2754, 2783, 2798, 2813, 2893, 2953, 2958, 2977, 3033, 3068, 3201, 3246, 3327, 3372, 3400, 3409, 3426, 3479, 3528, 3554, 3587, 3624, 3648, 3664, 3701, 3725, 3738, 3749, 3787, 3852, 3853, 3882, 3906, 4056]. **Phase-Change** [2393]. **Phase-Field**
[715, 1370, 2395, 2958, 3201, 3327, 3409, 3738, 3749, 3882]. **Phase-Lagging** [2083]. **Phase-Space** [1895]. **phase/Multi** [2506]. **Phases** [2977]. **Phenomena** [201, 381, 570, 1777]. **Phenomenological** [73]. **Phenomenon** [429, 901, 1474]. **Phonon** [1359, 2529]. **Phononic** [3801]. **photolithographic** [92]. **Photonic** [563, 1157, 1771, 2619, 2800, 3257, 4051]. **Physical**
[820, 964, 1072, 3383, 3385, 3414, 3624]. **Physical-Constraint-Preserving** [3624]. **Physically** [2936]. **Physics**
[250, 960, 1507, 1804, 2350, 3266, 3278, 3733, 4030]. **Physics-Based** [2350]. **Physics-Guided** [4030]. **Physics-Informed** [3266, 3733]. **Picard**
[2375, 3234, 3477]. **PIDEs** [3344]. **Piece** [209]. **Piece-Wise** [209]. **Piecewise**
[271, 385, 564, 606, 828, 1072, 1509, 1782, 2071, 2102, 2144, 2188, 2771, 2818, 2912, 3096, 4049]. **Piecewise-Smooth** [1782]. **Piezoelectric** [1784, 2471]. **Pipe**
[112, 123, 240, 521, 1557, 2236]. **Pipeline** [3473]. **Pipes** [618, 941]. **Pitaevskii** [1262, 3054]. **Planar** [1918]. **Planck**
[293, 743, 1326, 1339, 1378, 1677, 1894, 2020, 2209, 2210, 2466, 2621, 2767, 2835, 2847, 2868, 3032, 3136, 3448, 3657, 3702, 3715, 3840, 3842, 4010].
**Planck/Navier** [2847, 3448]. **Plane** [856, 2414, 2668]. **Plane-Wave** [2414]. **Planets** [3169]. **Planning** [3018]. **Plasma**
[575, 797, 1059, 1111, 1311, 1507, 3130, 3582, 3706, 3849, 4005]. **Plasmas** [2211, 4032]. **Plasmon** [2156]. **Plate**
[8, 112, 337, 438, 967, 1398, 1571, 2062, 2126, 2129, 2863, 2910, 3094, 3125].
**Plateau** [3872]. **Plates** [547, 1435, 1720, 1729, 2268, 3752]. **platform** [152]. **Play** [3616]. **PLG** [4025]. **Plug** [3616]. **Plug-and-Play** [3616]. **Plus** [2473, 3275]. **PML** [557, 2174, 3039]. **PMLs** [782, 2981]. **Pock** [3359]. **POD** [277, 1962, 2451, 2455, 2643, 4000]. **POD-Based** [2451]. **POD/DEIM** [1962]. **Poincaré** [660, 1117]. **Point**
[606, 686, 703, 785, 791, 833, 836, 855, 924, 977, 1130, 1200, 1262, 1334, 1450, 1457, 1609, 1669, 1717, 1743, 1747, 1781, 1908, 1989, 2116, 2119, 2202, 2327, 2473, 2479, 2514, 2643, 2659, 2687, 2749, 2750, 2789, 2814, 2898, 2972, 3019, 3038, 3044, 3070, 3100, 3162, 3199, 3237, 3363, 3367, 3460, 3559, 3564, 3629, 3883, 3928].
**Point-Source** [1609]. **Point-Value** [833]. **Point-Wise** [1262]. **Points** [258, 275, 1005, 1834, 2508, 2521, 2699, 2904, 2955, 3600, 3666, 3953]. **Pointwise** [899, 1293, 1577, 2161, 2818, 3129, 3144, 3158, 3802, 4064]. **Pointwise-in-Time**

[3129]. **Poisson** [124, 155, 167, 183, 251, 280, 291, 293, 336, 341, 593, 601, 613, 796, 912, 931, 972, 1002, 1011, 1021, 1050, 1110, 1181, 1248, 1596, 1697, 1733, 1780, 1806, 1831, 1894, 2091, 2209, 2210, 2466, 2755, 2756, 2775, 2815, 2835, 2847, 2849, 2921, 3032, 3130, 3205, 3228, 3274, 3334, 3448, 3657, 3842, 3866, 3894, 4054]. **Poissonian** [3976]. **Polar** [868, 1174]. **Polarized** [423]. **Pole** [3285]. **Poles** [1137]. **Policy** [1242, 4003]. **Pollutant** [527, 701]. **Poly** [2845]. **Poly-Sinc** [2845]. **Polyak** [2942]. **Polycrystal** [1394]. **Polydisperse** [2719]. **Polygonal** [440, 1113, 1272, 1738, 1809, 3757, 3936, 3971]. **Polygons** [2254]. **Polyharmonic** [914]. **Polyhedra** [2818]. **Polyhedral** [1372, 1462, 1590, 1673, 3463, 3532, 3950]. **Polyhedron** [1861, 3637]. **Polynomial** [51, 117, 144, 197, 219, 324, 494, 598, 775, 812, 901, 944, 1024, 1072, 1301, 1316, 1552, 1589, 1767, 1813, 2079, 2132, 2146, 2188, 2201, 2380, 2521, 2898, 3227, 3231, 3495, 3557, 3644, 3647, 3880, 3881, 3964, 4025, 4042, 4054]. **Polynomial-Based** [1552]. **Polynomial-Iteration** [2898]. **Polynomials** [184, 218, 535, 1023, 1256, 1442, 1775, 2049, 2098, 2624, 2716, 2934, 2956, 3124, 3463, 3532, 3599, 3644, 3743, 4015]. **Polytopal** [2289, 3897, 3909]. **polytopes** [184]. **Polytopic** [2233, 2281, 3028, 3922]. **Pontryagin** [1795]. **Population** [656]. **Populations** [2728]. **Poroelastic** [3475]. **Poroelasticity** [3224, 3270, 3273, 3402]. **Poroelasticity/Chemotaxis** [3270]. **Porosity** [2343, 3021, 3516, 4039]. **Porous** [108, 733, 1163, 1259, 1814, 1901, 1948, 2027, 2152, 2257, 2358, 2393, 2416, 2629, 2657, 2760, 2798, 2906, 3088, 3095, 3852, 3853, 3906, 3956]. **Portfolios** [2077]. **Portioned** [920]. **Posed** [828, 1188, 1389, 1432, 1804, 2316, 2891, 3064, 3161, 3262, 3398, 3766]. **Posedness** [87, 99, 2739, 2799, 3658]. **Position** [1453]. **Position-Dependent** [1453]. **Positioning** [4001]. **Positive** [670, 1026, 1510, 2046, 2377, 2583, 2835, 3045, 3054, 3634, 3652, 3750]. **Positive-Type** [1510]. **Positivity** [261, 981, 1197, 1616, 1632, 1645, 1647, 1722, 1792, 1830, 1963, 1981, 2251, 2291, 2361, 2368, 2466, 2543, 2695, 2737, 2839, 2930, 3004, 3212, 3264, 3289, 3394, 3461, 3469, 3487, 3590, 3615, 3644, 3657, 3770, 3808, 3956, 4011, 4015]. **Positivity-** [1981]. **Positivity-Preserving** [261, 981, 1197, 1632, 1645, 1722, 1792, 1830, 2368, 2543, 2737, 2839, 2930, 3004, 3289, 3394, 3461, 3469, 3487, 3615, 3770, 3808, 4011]. **Positron** [1008]. **Post** [526, 559, 1060, 2892, 3104]. **Post-processed** [3104]. **Post-Processing** [526, 559, 1060]. **Post-processors** [2892]. **Posteriori** [273, 295, 442, 443, 450, 456, 464, 647, 652, 726, 729, 767, 778, 834, 909, 933, 1026, 1035, 1048, 1162, 1274, 1287, 1294, 1362, 1434, 1454, 1461, 1466, 1489, 1602, 1664, 1698, 1728, 1848, 1954, 2074, 2176, 2196, 2290, 2305, 2344, 2358, 2441, 2523, 2627, 2640, 2646, 2662, 2673, 2679, 2743, 2778, 2910, 2932, 2979, 3032, 3061, 3078, 3119, 3122, 3144, 3299, 3305, 3315, 3339, 3344, 3368, 3428, 3494, 3530, 3614, 3627, 3665, 3685, 3739, 3746, 3878, 4026, 4058]. **Postprocessing** [784, 1146, 1601, 1729, 3081, 3407, 3663]. **Potential** [214, 406, 2085, 2341, 2916, 3487, 3615, 3871]. **Potentials** [364, 573, 820, 1080,

1084, 1095, 1105, 1476, 2252, 2389, 2694, 3043, 3362, 3545, 3736, 3977]. **Power** [46, 580, 1490, 1723, 2323, 2857, 3484, 3891]. **Power-Law** [1723]. **Powers** [199, 2606, 3157, 3185]. **PPE** [1619]. **PPR** [2303]. **Practical** [24, 645, 1485, 1657, 2354, 3120, 3502]. **Prandtl** [204]. **Preasymptotic** [1576, 2808]. **Precision** [283, 340, 1183, 2112, 3187, 3766, 3776]. **Precomputed** [1025]. **Preconditioned** [313, 640, 1092, 1250, 2058, 2096, 2294, 2324, 2443, 2884, 2950, 3114, 3284, 3436, 3933, 3958]. **Preconditioner** [1247, 1668, 1760, 2421, 2461, 2718, 2948, 3202, 3370, 3531, 3714, 3886, 3898]. **Preconditioners** [33, 143, 448, 451, 708, 760, 896, 916, 993, 1295, 1532, 1585, 1850, 1959, 2183, 2216, 2366, 2561, 2773, 2784, 3009, 3222, 3244, 3283]. **Preconditioning** [88, 159, 178, 233, 474, 493, 592, 1050, 1203, 1552, 1617, 1846, 1852, 2255, 2609, 2760, 2768, 2867, 3651, 3844, 3944, 4038]. **PredGAN** [3401, 3497]. **Prediction** [34, 562, 719]. **Predictive** [3017, 3401, 3497]. **Predictor** [3460, 3494, 3892]. **Predictors** [3912]. **Preface** [463, 611, 678, 710, 838, 935, 958, 1073, 1116, 2448, 2488]. **Preimage** [2279]. **Preinvexity** [3457]. **Preliminary** [602]. **Premixed** [28, 231, 236, 329]. **Prescribed** [3304]. **Presence** [1839, 2090, 3412, 3533, 3582]. **Preservation** [1884, 2217, 2369, 2880, 3196, 3264, 3593]. **Preserve** [3984]. **Preserving** [361, 425, 483, 534, 667, 739, 749, 900, 926, 945, 1017, 1170, 1228, 1300, 1359, 1361, 1368, 1421, 1471, 1492, 1627, 1645, 1662, 1663, 1769, 1792, 1800, 1813, 1828–1830, 1850, 1925, 1931, 1939, 1981, 2057, 2073, 2139, 2155, 2179, 2251, 2299, 2361, 2368, 2380, 2407, 2411, 2438, 2449, 2466, 2502, 2543, 2570, 2599, 2619, 2620, 2671, 2695, 2737, 2770, 2829, 2858, 2921, 2960, 3011, 3037, 3071, 3174, 3207, 3208, 3212, 3218, 3247, 3275, 3312, 3342, 3429, 3433, 3469, 3487, 3539, 3568, 3590, 3615, 3657, 3698, 3707, 3709, 3715, 3796, 3812, 3817, 3841, 3842, 3844, 3852, 3894, 3906, 3909, 3913, 3916, 3937, 3953, 4005, 4062, 4070]. **Preserving** [119, 148, 261, 314, 389, 981, 982, 1197, 1305, 1365, 1468, 1605, 1616, 1632, 1647, 1722, 1796, 1809, 1834, 1868, 2020, 2382, 2465, 2529, 2535, 2648, 2677, 2839, 2923, 2930, 2971, 2989, 3004, 3013, 3081, 3115, 3123, 3148, 3201, 3280, 3289, 3292, 3385, 3394, 3408, 3461, 3498, 3515, 3551, 3553, 3579, 3613, 3617, 3624, 3634, 3731, 3770, 3808, 3818, 3856, 3861, 3940, 3956, 4010–4012, 4054]. **Pressure** [143, 224, 313, 934, 1019, 1312, 1410, 1501, 2007, 2399, 2413, 2436, 2477, 2941, 3091, 3194, 3232, 3428, 3628, 3820]. **Pressure-Correction** [2399]. **Pressure-Robust** [2477, 2941, 3232, 3428, 3820]. **Pressure-Stabilized** [1501, 2413]. **Pressure-Tight** [3091]. **Prestige** [1777]. **Price** [755, 759, 824]. **Pricing** [654, 1063, 1214, 1503, 2060, 2096, 2097, 2637, 3344, 3758]. **Primal** [770, 892, 1637, 1731, 1914, 2045, 2114, 2170, 2290, 2659, 2768, 2824, 3191, 3281, 3359, 3528, 3569, 3673, 3855]. **Primal-Dual** [1637]. **Primary** [2062]. **Primitive** [370, 874, 2618]. **Principal** [2716, 2990]. **Principle** [139, 356, 981, 1228, 1389, 1464, 1605, 1787, 1795, 1816, 2368, 2677, 2770, 2826, 2829, 2983, 3247, 3280, 3319, 3331, 3579, 3984]. **Principle-Satisfying** [1464]. **Prior** [1289, 1523, 1786, 3031, 3062, 3650, 3689, 3986]. **Priori** [333, 500, 608, 740, 1436, 1498, 1553, 1588, 1728, 2419, 2670, 2679, 2743, 2813, 3122, 3530, 3661, 3736, 3755]. **Priors** [682]. **Prism** [1161]. **Probabilistic**

[832, 1217, 2591, 3203]. **Probabilities** [214]. **Probability** [73, 783, 3883]. **Probe** [1930]. **Problem** [297, 345, 370, 377, 383, 495, 496, 517, 520, 578, 612, 703, 719, 791, 793, 908, 934, 972, 1052, 1053, 1087, 1141, 1147, 1161, 1182, 1293, 1356, 1401, 1454, 1490, 1502, 1508, 1583, 1599, 1631, 1639, 1683, 1713, 1730, 1802, 1814, 1853, 1875, 1918, 1934, 2004, 2023, 2025, 2088, 2125, 2137, 2191, 2195, 2199, 2232, 2270, 2271, 2289, 2290, 2293, 2305, 2462, 2548, 2611, 2617, 2646, 2682, 2701, 2708, 2743, 2751, 2767, 2837, 2843, 2891, 3028, 3094, 3144, 3145, 3178, 3188, 3232, 3319, 3548, 3565, 3571, 3573, 3656, 3659, 3688, 3739, 3751, 3753, 3764, 3819, 3826, 3915, 3917, 3928, 3950, 3992, 4047]. **Problem**
[205, 291, 321, 418, 450, 541, 708, 1029, 1081, 1106, 1199, 1247, 1343, 1393, 1405, 1410, 1427, 1489, 1504, 1516, 1527, 1548, 1556, 1588, 1595, 1623, 1686, 1743, 1744, 1808, 1826, 1867, 1907, 1914, 1983, 2059, 2061, 2087, 2094, 2150, 2174, 2257, 2262, 2269, 2304, 2307, 2318, 2357, 2377, 2385, 2405, 2413, 2419, 2544, 2589, 2631, 2673, 2696, 2703, 2721, 2734, 2739, 2826, 2864, 2882, 2906, 2919, 2941, 3086, 3121, 3122, 3176, 3204, 3205, 3243, 3248, 3249, 3299, 3303, 3305, 3354, 3355, 3372, 3406, 3438, 3464, 3466, 3509, 3514, 3530, 3561, 3566, 3606, 3614, 3646, 3697, 3701, 3732, 3801, 3824, 3862, 3872, 3874, 3877, 3944, 3958, 4038, 4053, 4058, 4060]. **problem**
[22, 95, 121, 1019]. **Problems**
[288, 437, 440, 442, 445, 480, 561, 636, 641, 649, 653, 729, 754, 771, 789, 794, 817, 822, 826, 831, 870, 871, 933, 969, 975, 996, 1047, 1048, 1055, 1162, 1167, 1200, 1209, 1210, 1225, 1234, 1263, 1274, 1275, 1294, 1295, 1299, 1362, 1389, 1424, 1444, 1445, 1567, 1573, 1577, 1641, 1760, 1775, 1835, 1917, 1920, 1923, 1954, 1978, 2014, 2036, 2045, 2108, 2129, 2176, 2207, 2220, 2238, 2266, 2316, 2350, 2458, 2483, 2597, 2667, 2699, 2706, 2717, 2725, 2735, 2748, 2759, 2948, 2972, 3028, 3034, 3223, 3301, 3331, 3456, 3595, 3649, 3703, 3737, 3878, 3920, 3965, 4001, 4043, 4065]. **Problems**
[198, 254, 257, 270, 282, 313, 330, 411, 451, 488, 566, 723, 740, 762, 841, 862, 899, 932, 992, 1097, 1113, 1122, 1220, 1224, 1230, 1272, 1296, 1298, 1340, 1443, 1457, 1553, 1554, 1564, 1569, 1602, 1608, 1698, 1741, 1865, 1876, 1900, 1908, 1911, 1913, 2002, 2013, 2015, 2306, 2313, 2334, 2378, 2473, 2558, 2568, 2624, 2640, 2653, 2687, 2862, 2892, 2932, 2975, 2980, 3023, 3039, 3077, 3152, 3161, 3168, 3185, 3218, 3239, 3262, 3274, 3281, 3352, 3366, 3410, 3437, 3465, 3473, 3484, 3486, 3564, 3572, 3594, 3640, 3672, 3686, 3708, 3714, 3756, 3759, 3774, 3802, 3858, 3886, 3887, 3905, 3916, 3929, 3980, 4050, 4061, 4062, 4064]. **Problems**
[197, 317, 353, 365, 452, 466, 652, 672, 684, 688, 778, 844, 883, 914, 948, 1096, 1126, 1171, 1188, 1221, 1243, 1306, 1397, 1422, 1513, 1538, 1585, 1701, 1749, 1781, 1801, 1804, 1831, 1856, 1888, 1898, 1915, 1938, 1975, 2034, 2041, 2107, 2119, 2134, 2168, 2197, 2204, 2225, 2259, 2282, 2330, 2345, 2356, 2402, 2418, 2446, 2447, 2471, 2561, 2583, 2584, 2647, 2661, 2676, 2697, 2744, 2775, 2811, 2819, 2853, 2910, 2925, 2977, 2979, 3015, 3116, 3119, 3128, 3160, 3176, 3317, 3324, 3380, 3412, 3454, 3463, 3492, 3499, 3524, 3532, 3583, 3604, 3639, 3661, 3681, 3717, 3766, 3798, 3811, 3814, 3825, 3844, 3879, 3883, 3961, 4008, 4019, 4034]. **Problems**
[222, 292, 344, 354, 455, 456, 465, 500, 503, 543, 545, 551, 553, 584, 647, 827, 836, 846, 895, 909, 924, 927, 1051, 1108, 1195, 1211, 1226, 1282, 1283, 1308, 1328, 1388, 1423, 1605, 1668, 1735, 1753, 1763, 1764, 1797, 1809, 1838, 1877, 1904, 1905, 1942,

1982, 2012, 2068, 2111, 2122, 2163, 2283, 2352, 2422, 2431, 2454, 2463, 2487, 2511, 2521, 2524, 2538, 2594, 2643, 2658, 2666, 2686, 2740, 2745, 2750, 2802, 2807, 2822, 2841, 2907, 2937, 2963, 3010, 3064, 3090, 3097, 3166, 3190, 3191, 3202, 3263, 3293, 3364, 3413, 3418, 3585, 3597, 3599, 3622, 3632, 3633, 3650, 3668, 3713, 3720, 3722, 3757, 3806, 3808, 3867, 3890, 3892]. **Problems** [24, 28, 29, 34, 35, 43, 59, 71, 77, 89, 102, 106, 107, 111, 124, 126, 140, 144, 155, 171, 185, 194, 260, 704, 786, 828, 854, 855, 971, 1023, 1093, 1109, 1319, 1346, 1365, 1432, 1434, 1534, 1555, 1582, 1640, 1681, 1690, 1871, 1955, 2079, 2126, 2167, 2459, 2670, 2851, 2923, 3314, 3398, 3407, 3475, 3673, 3770, 3772, 3776, 3805, 3830, 3860, 3888, 3902, 3993, 4018]. **Procedure** [186, 1056, 1115, 1799, 1825, 2078, 2459, 3883]. **Procedures** [363, 2542, 2768]. **Procesi** [1342]. **Process** [1693, 2121, 2937]. **processed** [3104]. **Processes** [122, 234, 1214, 2102, 2814, 3514, 3715]. **Processing** [6, 92, 172, 397, 526, 559, 881, 1060, 1306, 2144, 3036, 3377]. **Processors** [108, 237, 2302, 2892]. **Product** [462, 695, 746, 1216, 2306, 2564, 3064, 3325, 3336, 3379, 3939, 3948]. **Production** [319, 840, 2123, 2361, 2386, 4012]. **productivity** [90]. **Products** [2035, 2080]. **Professor** [1916, 2231, 2488]. **Profile** [642, 643]. **Program** [1649]. **Programming** [1676, 2327, 2387, 2400, 2972, 3100, 3177, 3457, 3870, 4001]. **Programs** [210, 2118, 4035]. **Projected** [1188, 2424, 2923, 3313, 3480]. **Projection** [176, 192, 345, 841, 989, 993, 1619, 1625, 1634, 1650, 1971, 1976, 1982, 2043, 2118, 2509, 2701, 2716, 2886, 2955, 3159, 3194, 3353, 3380, 3547, 3548, 3637, 3961, 4051]. **Projection-Decoupling** [3159]. **Projections** [387, 1587, 2142, 3490]. **Projective** [2130]. **Projector** [2323]. **Projectors** [1028]. **Prolate** [918, 1213, 1754, 1822]. **Prolate-Element** [918]. **Promotes** [2880]. **Proof** [882, 1474]. **Proofs** [844, 854]. **Propagating** [28, 3269]. **Propagation** [63, 102, 161, 299, 339, 366, 486, 637, 646, 817, 823, 1268, 1281, 1321, 1333, 1447, 1770, 1813, 1861, 1965, 2000, 2193, 2230, 2242, 2254, 2562, 2655, 2875, 2960, 2965, 3240, 3316, 3843]. **Propagation/Circulation** [1268]. **Propagations** [753]. **Propagator** [1082]. **Proper** [2453, 2689, 3353, 3493, 3504, 4037]. **Properties** [70, 361, 502, 516, 610, 684, 1072, 1096, 1352, 1413, 1659, 2193, 2411, 2510, 2601, 2720, 2821, 2849, 2986, 3241, 3382, 3432, 3453]. **Property** [218, 952, 954, 1249, 1357, 2205, 2394, 3264, 3265, 3371]. **Proppants** [4039]. **Protein** [4002]. **ProteinRank** [1199]. **Provable** [3727]. **Provably** [3969]. **Provide** [3883]. **Proximal** [1564, 1648, 1986, 1989, 2353, 2740, 2777, 3177, 3203, 3291, 3399, 3436, 3489, 3588, 3637, 3668, 3700, 3713, 3860, 3870, 3890, 4028, 4066]. **Proximal-Newton** [2740]. **Proximity** [1781, 2479, 3356, 3928]. **Pseudo** [340, 545, 1067, 1572, 1650, 1724, 3431, 3788, 3908]. **Pseudo-PageRank** [3788]. **Pseudo-Spectral** [340, 1067, 1572, 1724, 3908]. **Pseudo-static** [3431]. **Pseudodifferential** [2366]. **Pseudomontone** [2686]. **Pseudospectral** [50, 62, 135, 142, 245, 327, 339, 369, 399, 658, 704, 707, 784, 886, 1822, 1993, 2354, 2799, 2945, 3666]. **Pseudostress** [3198, 3281, 3971]. **Pseudostress-Based** [3281]. **Pseudostress-Velocity** [3198]. **Ptychography** [3395]. **PU** [1953]. **Pucci** [2215]. **Puiseux** [2592]. **Pulse** [381]. **Pulses** [859]. **PUM** [1964].

**Pumping** [1777]. **Pure** [561, 816, 877, 2630]. **Pure-Streamfunction** [816]. **Pursuit** [1186, 2785, 4014]. **Put** [3676]. **Pyramidal** [821].

**Q4** [112]. **QLP** [3258]. **QSC** [3333]. **QSVD** [3818]. **Quad** [1918, 3034, 3950]. **Quad-Curl** [1918, 3034]. **Quadratic** [119, 860, 1114, 1649, 1740, 1974, 2405, 2643, 2884, 3023, 3118, 3369, 3565, 3760, 3802, 3807, 3825, 3860]. **Quadratically** [2171]. **Quadratization** [2438, 3151]. **Quadrature** [16, 41, 74, 360, 845, 857, 1101, 1112, 1166, 1292, 1525, 2267, 2277, 2801, 2949, 3195, 3405, 3469, 3545, 3968, 3983, 3998]. **Quadrature-Based** [3469]. **Quadrature-Free** [1525]. **Quadratures** [1223, 3278]. **quadric** [2071]. **Quadrilateral** [511, 596, 1064, 1195, 1258, 1603, 1604, 1738, 1966, 2026, 2496, 2967, 3374, 3470, 3792]. **Quadrilaterals** [1534, 3557]. **Quadtree** [1136]. **Quality** [962, 2579]. **Quantification** [887, 1530, 1650, 2319, 2791, 2939, 3815]. **Quantifying** [97, 3636, 3785]. **Quantitative** [220, 1737]. **Quantized** [3392]. **Quantum** [1368, 3785]. **Quasi** [798, 908, 969, 975, 980, 1162, 1169, 1267, 1436, 1514, 1581, 1611, 1728, 1915, 2085, 2206, 2366, 2705, 2707, 2831, 2837, 2957, 2968, 2975, 3051, 3176, 3200, 3224, 3326, 3334, 3385, 3488, 3489, 3718, 3847, 3957, 4004, 4057, 4066]. **Quasi-A** [1436]. **Quasi-Biorthogonal** [908]. **Quasi-Compact** [1169, 3334]. **Quasi-conformal** [1611]. **Quasi-Conservative** [2705, 2831, 3051, 3957]. **Quasi-diagonal** [2366]. **Quasi-Entropy** [3385]. **Quasi-Equilibrium** [2975]. **Quasi-Geostrophic** [980]. **Quasi-Interpolation** [1581, 3326]. **Quasi-Linear** [969, 975, 1162, 3176]. **Quasi-Local** [2707]. **Quasi-Monte** [3200]. **Quasi-neutral** [798]. **Quasi-Newton** [3489, 4004, 4066]. **Quasi-Newtonian** [1514, 1728, 4057]. **Quasi-Optimal** [1267]. **Quasi-Optimality** [1915]. **Quasi-periodic** [3718]. **Quasi-reversibility** [2837]. **Quasi-Static** [3224]. **Quasi-Toeplitz** [2957, 3847]. **Quasiconformality** [2202]. **Quasicontinuum** [712]. **quasigeostrophic** [180]. **Quasilinear** [911, 1155, 1356, 1408, 3038, 3191, 3576]. **Quasimonotone** [3015]. **Quasineutral** [1011, 3894]. **Quasiperiodic** [2561]. **Quasipotential** [3132]. **Quaternion** [3258, 3298, 3377, 3488, 3675, 3891, 3939, 3960, 3986]. **Quaternion-Aware** [3986]. **Quaternion-based** [3298]. **Quintic** [1785, 2028]. **Quotients** [3493].

**Rachford** [212, 2473, 3720]. **Radau** [369, 1051, 3490]. **Radial** [863, 883, 1039, 1148, 1358, 1412, 1416, 1433, 1497, 1513, 1518, 1617, 1701, 1758, 1883, 2066, 2071, 2092, 2110, 2194, 2347, 2558, 2657, 2787, 3741]. **Radiance** [384]. **Radiating** [59]. **Radiation** [401, 413, 423]. **Radiative** [459, 625, 1371, 2145, 2251, 2869, 3007, 3099, 3107, 3208, 3383, 3444, 3634, 4053]. **Radii** [2029]. **Radiotherapy** [1793]. **Radon** [1120]. **Randles** [253]. **Random** [84, 100, 247, 1542, 1582, 1621, 1921, 1957, 2195, 2199, 2318, 2396, 2433, 2455, 2694, 3073, 3077, 3195, 3471, 3726, 3735]. **Randomized** [2894, 3230, 3258, 3734, 3907, 3918]. **Randomly** [3179]. **Range** [1366, 2677, 3058, 3557]. **Rank** [1186, 1549, 1721, 1755, 1786, 1846, 2006, 2195,

2333, 2365, 2480, 2803, 2881, 2890, 2972, 3042, 3062, 3120, 3126, 3177, 3258, 3290, 3350, 3382, 3502, 3581, 3683, 3815, 3850, 3899, 3962, 3975, 3986, 4020]. **Rank-** [3975]. **Rank-1** [3126]. **Rank-Adaptive** [2890]. **Rank-One** [2333, 3290]. **Rannacher** [2795]. **RANS** [232, 2294, 2697]. **Rao** [3716]. **Rapid** [3774, 3942]. **Rate** [264, 1267, 1661, 1989, 2444, 2942, 3011, 3505, 3912, 4012]. **Rates** [146, 2781, 3134, 3700]. **Ratio** [2824]. **Rational** [173, 253, 265, 506, 554, 835, 1302, 1580, 1594, 2101, 2128, 2277, 2861, 2912, 2952, 3138, 3342, 3921]. **Ratios** [2035, 3411]. **Raviart** [1357, 1399, 1437, 1441, 1713, 2015, 3109, 3168, 3337]. **Ray** [1120, 2284]. **Rayleigh** [58, 403, 2240, 2271, 2459]. **Rayleigh-Marangoni** [403]. **RBF** [1412, 1831, 1953, 1964, 2173, 2222, 2340, 2580, 2897, 3153, 3349, 3390, 3398, 3458, 3570]. **RBF-Based** [2340]. **RC** [2651]. **Reachable** [387]. **Reacting** [39, 274, 489, 964, 3539, 3796]. **Reaction** [32, 230, 243, 781, 801, 836, 855, 893, 924, 946, 979, 1043, 1191, 1210, 1412, 1536, 1585, 1602, 1613, 1757, 1777, 1998, 2108, 2135, 2162, 2217, 2282, 2298, 2326, 2517, 2528, 2545, 2672, 2702, 2710, 2786, 2851, 2855, 2954, 2980, 3096, 3248, 3412, 3563, 3750, 3778, 3800, 3920]. **Reaction-Diffusion** [1536, 3096]. **reactions** [109]. **Reactive** [203, 250, 456, 3494]. **Reactor** [223]. **Real** [78, 1414, 2968, 3126, 3472, 3837]. **Realistic** [1965, 3378]. **realizability** [157]. **Realization** [323, 3719]. **Really** [1941]. **Rearrangement** [1126, 2756, 2775]. **Rebuilding** [912]. **Rebuilding-Divergency** [912]. **Receding** [2293]. **Recipes** [910]. **Recognition** [3488]. **Recombination** [1446]. **Reconstructed** [3958]. **Reconstructing** [1990, 2789, 3687]. **Reconstruction** [26, 162, 187, 271, 310, 415, 494, 521, 567, 587, 598, 606, 828, 879, 889, 917, 997, 1002, 1018, 1021, 1115, 1120, 1130, 1131, 1179, 1208, 1282, 1283, 1334, 1382, 1483, 1543, 1586, 1589, 1603, 1604, 1624, 1627, 1674, 1675, 1717, 1721, 1737, 1883, 1941, 1942, 2026, 2028, 2040, 2146, 2200, 2315, 2417, 2563, 2579, 2581, 2615, 2707, 2731, 2806, 2822, 2928, 3046, 3214, 3265, 3289, 3324, 3337, 3370, 3468, 3557, 3558, 3665, 3671, 3683, 3726, 3739, 3760, 3768, 3782, 3812, 3969, 3979, 4008, 4025]. **Reconstructions** [944, 1205, 1622, 2613, 2690, 2747, 2900, 3153, 3642]. **Recovering** [565, 1015, 1509]. **Recovery** [295, 635, 652, 814, 864, 883, 1153, 1207, 1395, 1410, 1437, 1533, 1641, 1700, 1813, 1976, 2260, 2303, 2380, 2509, 2795, 2796, 2910, 3050, 3181, 3285, 3338, 3358, 3483, 3543, 3549, 3746, 3813, 3850, 3990, 4006, 4067]. **Recovery-Based** [1533, 2910, 3050]. **Rectangular** [81, 124, 598, 700, 702, 919, 983, 1177, 1238, 1240, 1474, 1511, 1844, 2051, 2509, 2657, 3511]. **Rectified** [3369]. **rectifying** [3863]. **Recurrence** [1181, 2934]. **Recursive** [1041, 2035]. **Red** [3307]. **Redistancing** [1394]. **Redistribution** [659, 1151, 3413]. **Reduced** [277, 333–335, 843, 988, 992, 1010, 1164, 1223, 1263, 1442, 1473, 1518, 1591, 1626, 1694, 1904, 1933, 1961, 1962, 2041, 2213, 2454, 2493, 2810, 2819, 2896, 2958, 2966, 2994, 3107, 3143, 3193, 3343, 3353, 3380, 3387, 3414, 3440, 3450, 3473, 3493, 3519, 3568, 3601, 3800, 3803, 3935, 4051]. **Reduced-Basis** [333, 334, 2452]. **Reduced-Order** [277, 843, 1591, 1962, 2819, 3353, 3450, 3519, 3935]. **Reducing** [310, 2260]. **Reduction** [20, 415, 1308, 1366, 1493, 1580, 2060, 2080, 2095, 2108, 2448, 2449, 2643, 2908, 2998, 3037, 3131, 3243, 3245, 3323, 3346, 3360,

3399, 3412, 3452, 3473, 3546, 3588, 3864, 3910, 4003, 4019]. **Reduction-in-Time** [3546, 3910]. **Reference** [1072, 2774]. **Reference-to-Physical** [1072]. **Refined** [2138]. **Refinement** [371, 693, 792, 1213, 1384, 1543, 1895, 2296, 2441, 2772, 2791, 3424, 3430]. **Refinements** [1755]. **Reflectance** [806, 3747]. **Reflected** [3313, 3449]. **Reflecting** [757, 1379, 1686, 2483]. **Reflection** [1450, 2307]. **Reflexive** [3564]. **Reformulated** [3613]. **Reformulation** [3751]. **Reformulations** [2823]. **Regime** [852, 1242, 1833, 1869, 2096, 2097, 2099, 2516, 2600, 2637, 2742, 3098, 3234, 3758, 3842]. **Regime-Switching** [2637, 3758]. **Region** [123, 1960, 2496, 2931, 3290, 3482, 3607, 3991, 4004]. **Regions** [133, 1148, 1671, 1672, 2217, 2248]. **Registration** [1005, 2634, 2785, 2908]. **Registration-Based** [2908]. **Registrations** [1004, 1020]. **Regression** [1250, 2852, 3203, 3573, 3864, 3880]. **Regular** [2100, 2551, 2578]. **Regularisation** [1998]. **Regularity** [290, 897, 1797, 2168, 2351, 2670, 3111, 3116, 3232, 3496, 3507, 3523, 3530, 3724, 3791, 3889, 3985, 4016]. **Regularity-Aware** [2351]. **Regularization** [396, 727, 901, 960, 1120, 1188, 1212, 1215, 1389, 1712, 1773, 1786, 1886, 1990, 2006, 2039, 2050, 2093, 2201, 2280, 2316, 2360, 2617, 2796, 2884, 2990, 3074, 3120, 3214, 3229, 3279, 3298, 3350, 3550, 3798, 3819, 3850, 3899, 3907, 3928, 4013]. **Regularized** [390, 1318, 1583, 1595, 1837, 1910, 1958, 2017, 2118, 2317, 2740, 2782, 3161, 3162, 3189, 3427, 3573, 3660, 3860]. **Regularizers** [1660]. **regulating** [39]. **Regulation** [2912]. **Reinforcement** [3217, 3595]. **Reinitialization** [681, 1800, 2520, 2628]. **Reissner** [438, 967, 1435, 2062]. **Reject** [115]. **rejection** [115]. **Related** [435, 716, 826, 1679, 3591, 4015]. **Relation** [176, 1365, 1421]. **Relations** [1651, 3253]. **Relationship** [1564]. **Relationships** [1256]. **Relative** [806, 1817, 2080, 3644, 3860, 4071]. **Relatively** [2578]. **Relativistic** [1947, 2526, 2778, 2964, 3706, 3754, 3940]. **Relaxation** [274, 399, 484, 804, 1172, 1361, 1415, 1629, 1696, 1877, 2130, 2181, 2595, 2651, 2658, 3312, 3435, 3608, 3625, 3638, 3680, 3890, 3930]. **Relaxations** [137, 1185]. **Relaxed** [267, 347, 427, 1797, 2902, 2972, 3015, 3359]. **Relaxing** [267, 1891]. **Release** [236]. **Reliability** [2371]. **ReLU** [3080, 3491, 3863]. **Remarks** [956, 983]. **Removal** [61, 1676, 1985, 2050, 2091, 2604, 3031, 3616, 3987]. **Removing** [1575]. **Renormalization** [2, 37, 55, 64, 104, 231, 236, 247, 562]. **Reparametrization** [3873]. **Representation** [96, 1345, 1426, 2450, 3527, 4045]. **Representations** [865, 2578]. **Represented** [1178]. **Reproducibility** [3526, 3535]. **Reproducing** [3583]. **Reproduction** [2728]. **Reprojection** [1015]. **Requirements** [57, 1614]. **Requiring** [845]. **Research** [3526, 3535]. **Reseeding** [1478]. **Reservoir** [627]. **Residual** [97, 295, 596, 867, 954, 1216, 1377, 1403, 1466, 1893, 2163, 2356, 2358, 2523, 2892, 3032, 3035, 3255, 3368, 3390, 3500, 3627, 3755, 3806, 3816]. **Residual-Based** [2523, 3255, 3368]. **Residual-Type** [1466]. **Residuals** [1558]. **Resilience** [2278]. **Resistance** [1402]. **Resistive** [470]. **Resolution** [57, 94, 154, 176, 188, 347, 378, 427, 512, 727, 901, 995, 1083, 1122, 1289, 1458, 1669, 1928, 1946, 2028,

2575, 2620, 2707, 2746, 3332, 3391, 3420, 3472, 3662, 3821, 3848]. **Resolvent** [2606]. **Resolving** [275]. **Resonance** [745, 1721]. **Resonances** [2156, 3621]. **Resonant** [779]. **Resonator** [4017]. **Resource** [1679]. **Respect** [2187, 3022]. **Response** [498, 2003]. **Restart** [2999, 3290]. **Restoration** [376, 650, 668, 986, 1121, 1129, 1212, 1290, 1360, 1523, 1628, 2006, 2297, 2309, 2605, 2844, 2880, 3260, 3284, 3449, 3835, 3838, 3976]. **restoring** [146]. **Restricted** [586]. **Restrictions** [991, 2989]. **Resulting** [1829]. **Results** [30, 38, 110, 980, 1081, 1309, 1450, 2215]. **Retracted** [3245]. **Retraction** [3360]. **Retrieval** [2333]. **reversibility** [2837]. **Reversible** [253]. **Reverting** [2077]. **Review** [479, 963, 1081]. **Revisit** [1480]. **Revisited** [2498, 3359]. **Revisiting** [872]. **Reweighted** [3850]. **Reynolds** [151, 157, 240, 537, 1236, 2064, 2160]. **Rheological** [383]. **Riccati** [2660, 3590]. **Richards** [721, 2603, 3970]. **Richardson** [133, 1029, 1196, 1292, 1987]. **Rician** [2309, 3031]. **Riemann** [804, 884, 940, 943, 1106, 1147, 1302, 1713, 3211, 3372, 3571, 3744]. **Riemannian** [2589, 3290, 3607, 3962, 3965, 3991]. **Riesz** [1820, 2391, 2508, 2784, 2976]. **Right** [2285, 2286]. **Right-Hand** [2286]. **Rigid** [355]. **Rigorous** [1257, 1854, 2625]. **Ring** [1610, 3960, 3990]. **Ripa** [3859]. **Ritz** [2459, 3759]. **River** [2496]. **RK** [2500, 3327, 3894, 4055]. **RK-SAV** [3327]. **RK-SAV/DG** [3327]. **RK/Implicit** [2500]. **RKDG** [444, 1160, 1670, 1733, 1951]. **RKDG2** [985]. **RNG** [240]. **Roadmap** [1804]. **Roaming** [2945]. **Robin** [1686, 2775, 2962, 3021, 3600, 4054]. **Robinson** [2070]. **Robots** [3018]. **Robust** [91, 184, 312, 337, 736, 909, 1130, 1131, 1311, 1317, 1434, 1441, 1466, 1642, 1706, 1737, 2195, 2228, 2229, 2232, 2421, 2461, 2477, 2547, 2578, 2597, 2670, 2722, 2767, 2776, 2803, 2866, 2941, 2990, 3049, 3137, 3145, 3232, 3238, 3273, 3288, 3366, 3388, 3428, 3475, 3542, 3563, 3594, 3631, 3677, 3739, 3770, 3776, 3820, 3854, 3868, 3918, 3924, 3932]. **Robustly** [3099]. **Robustness** [709, 1928, 3233, 3699, 3979]. **Robustness-Enhanced** [3979]. **ROCK** [3696]. **Rods** [1720]. **Roe** [748, 2229]. **Role** [1469, 1930, 2219, 2821, 3278]. **ROM** [2996]. **Root** [184, 3585, 3847]. **Roots** [276, 2904]. **Rosenau** [2092]. **Rosenbrock** [1994]. **Rossby** [660]. **Rotated** [1966, 2900, 3792]. **Rotated-** [3792]. **Rotating** [605, 734, 903, 2865, 3169]. **Rotating-Grid** [2865]. **Rotation** [3896]. **Rotational** [663]. **Rough** [1319, 1476, 2822, 3178, 3206, 3917]. **Round** [415, 4031]. **Round-off** [4031]. **ROW** [2615]. **RS** [152]. **RS/6000** [152]. **RT** [795, 3374]. **RTN** [3374]. **Rubenchik** [1271, 3408]. **Rule** [83, 360, 1545, 2001, 2422, 3405, 3893]. **Rules** [1101, 3157, 3195, 3671, 3983, 3998]. **Runge** [222, 287, 288, 361, 462, 483–485, 648, 696, 749, 758, 789, 860, 901, 904, 1181, 1220, 1300, 1377, 1392, 1403, 1407, 1522, 1614, 1615, 1778, 1828, 1925, 1931, 1932, 2011, 2072, 2123, 2127, 2139, 2155, 2220, 2386, 2411, 2502, 2635, 2639, 2652, 2658, 2853, 2956, 2989, 3053, 3101, 3113, 3123, 3187, 3275, 3280, 3311, 3435, 3554, 3562, 3638, 3781, 3787, 3809, 3954, 4055]. **Runs** [752]. **Ruptures** [1140].

**S** [1710, 3696]. **S-FDTD** [1710]. **S-ROCK** [3696]. **Saddle** [1200, 2473, 2643, 2955, 3162, 3164, 3367, 3883]. **Saddles** [2264, 2265]. **Saha**

[165]. **Saint** [1409]. **Saint-Venant** [1409]. **Sample** [3716]. **Sampled** [3181]. **Sampling** [3478, 3481, 3595, 3598, 3775, 4036, 4066]. **SAT** [2725, 2988]. **SAT/Fourier** [3908]. **satisfaction** [81]. **Satisfying** [617, 632, 804, 981, 1378, 1464, 1677, 2368, 2826, 3331, 3492]. **Saturable** [2695]. **Saturation** [2618]. **Saul** [2488, 2489]. **SAV** [2314, 2575, 2859, 2893, 2918, 3006, 3030, 3247, 3409, 3580, 3698, 3705, 3875, 3915, 3988, 3997, 4002, 4042]. **SAV-Based** [3997]. **SAV/DG** [3327]. **Saving** [3133]. **Saxton** [3795]. **SBFEM** [1061]. **SBP** [2057, 2498, 2725, 2988, 3908]. **SBP-SAT** [2988, 3908]. **SBP-SAT/Fourier** [3908]. **SCAD** [3031]. **Scalability** [169, 906, 1745]. **Scalable** [475, 1327, 2094, 2732, 3009, 3161]. **Scalar** [247, 417, 566, 875, 922, 939, 1228, 1464, 1533, 1621, 1787, 2163, 2252, 2599, 2858, 2893, 3066, 3112, 3280, 3306, 3328, 3373, 3569, 3691, 3916, 3953, 4055]. **Scalars** [166, 393]. **Scale** [46, 49, 101, 129, 166, 176, 353, 674, 710, 847, 960, 1188, 1319, 1333, 1395, 1563, 1580, 1654, 1746, 1805, 2095, 2983, 3058, 3136, 3161, 3202, 3391, 3452, 3480, 3585, 3727, 3772, 4046]. **Scale-dependent** [49]. **Scale-Invariant** [3391]. **Scaled** [665, 1499, 2340, 2863, 3713]. **Scales** [965, 1168]. **Scaling** [3978]. **Scalings** [1921]. **Scanning** [2441]. **Scans** [1008]. **Scattered** [14, 3092]. **Scattering** [244, 246, 260, 888, 1092, 1359, 1656, 1744, 1784, 1881, 1987, 2319, 2529, 2819, 2966, 3039, 3122, 3606, 3621, 3703, 3753, 3776, 3879, 3982, 4045]. **Schatten** [2547]. **Schatten-p** [2547]. **Scheme** [212, 213, 345, 417, 497, 552, 613, 625, 658, 662, 816, 817, 867, 868, 900, 922, 938, 941, 945, 972, 1014, 1030, 1065, 1076, 1099, 1138, 1156, 1159, 1170, 1277, 1337, 1421, 1425, 1597, 1674, 1675, 1695, 1700, 1724, 1823, 1843, 1858, 1869, 1889, 1893, 2014, 2044, 2088, 2089, 2133, 2175, 2178, 2212, 2213, 2229, 2294, 2337, 2408, 2417, 2442, 2456, 2499, 2595, 2603, 2620, 2679, 2759, 2797, 2970, 3057, 3060, 3196, 3212, 3218, 3246, 3252, 3264, 3349, 3400, 3424, 3467, 3548, 3572, 3593, 3615, 3652, 3676, 3707, 3745, 3751, 3807, 3845, 3871, 3886, 3889, 3900, 3937, 3966, 3994, 4052, 4059, 4062]. **Scheme** [239, 281, 299, 368, 389, 566, 599, 605, 634, 670, 671, 705, 728, 846, 899, 903, 950, 1150, 1312, 1448, 1457, 1458, 1460, 1464, 1474, 1497, 1501, 1508, 1560, 1710, 1726, 1780, 1794, 1796, 1827, 1834, 1882, 1892, 1928, 1942, 1973, 1981, 1994, 2028, 2124, 2125, 2177, 2185, 2186, 2221, 2227, 2299, 2361, 2399, 2438, 2466, 2514, 2543, 2577, 2593, 2599, 2621, 2627, 2650, 2721, 2730, 2802, 2865, 2866, 2870, 2879, 2903, 2911, 2913, 2926, 2985, 2992, 2995, 3005, 3030, 3052, 3056, 3095, 3139, 3145, 3210, 3233, 3317, 3324, 3391, 3415, 3426, 3466, 3487, 3522, 3662, 3665, 3687, 3698, 3778, 3782, 3825, 3827, 3844, 3854, 3859, 3868, 3964, 4010, 4056]. **Scheme** [71, 113, 191, 430, 576, 610, 656, 707, 742, 752, 795, 798, 890, 893, 1044, 1083, 1133, 1174, 1208, 1252, 1260, 1262, 1429, 1442, 1544, 1593, 1616, 1647, 1655, 1740, 1767, 1863, 2103, 2109, 2148, 2150, 2151, 2162, 2413, 2469, 2497, 2512, 2518, 2585, 2631, 2641, 2649, 2765, 2801, 2812, 2827, 2846, 2986, 2997, 3004, 3006, 3029, 3075, 3311, 3334, 3335, 3361, 3389, 3394, 3451, 3455, 3468, 3475, 3579, 3629, 3723, 3779, 3810, 3836, 3856, 3861, 3901, 3919, 3926, 3957, 3979]. **Schemes** [206, 215, 274, 286, 296, 318, 356, 362, 373, 378, 405, 433, 482, 485, 504, 525, 529, 554, 581, 591, 596, 659, 660, 697, 721, 748, 762, 782, 923, 936, 939, 1018, 1077, 1192, 1205, 1311, 1314, 1350, 1361, 1382, 1411, 1525, 1566, 1568, 1612, 1613, 1645, 1662,

1665, 1687, 1693, 1702, 1708, 1719, 1750, 1776, 1802, 1890, 1902, 1917, 1921, 1926, 2032, 2048, 2127, 2143, 2272, 2275, 2314, 2394, 2407, 2570, 2683, 2723, 2748, 2755, 2757, 2778, 2823, 2832, 2850, 2918, 2929, 3027, 3045, 3102, 3134, 3250, 3253, 3429, 3544, 3562, 3706, 3709, 3817, 3894, 3953, 3989, 4005, 4029, 4070]. **Schemes** [275, 357, 360, 484, 501, 532, 534, 536, 542, 609, 620, 628, 666, 667, 911, 928, 946, 952, 997, 1033, 1059, 1080, 1107, 1131, 1177, 1198, 1220, 1228, 1320, 1344, 1355, 1370, 1385, 1404, 1407, 1438, 1465, 1539, 1558, 1578, 1584, 1624, 1715, 1718, 1759, 1772, 1855, 1913, 1931, 1932, 1974, 1979, 2020, 2070, 2075, 2098, 2123, 2153, 2293, 2295, 2386, 2406, 2411, 2474, 2515, 2569, 2626, 2633, 2700, 2770, 2780, 2829, 2835, 2858, 2875, 2889, 2912, 2915, 2927, 2969, 3084, 3128, 3174, 3242, 3247, 3289, 3340, 3384, 3420, 3469, 3525, 3554, 3596, 3618, 3647, 3677, 3715, 3786, 3833, 3875, 3876, 3880, 3896, 3906, 3984, 3995, 3996]. **Schemes** [261, 267, 269, 347, 427, 429, 431, 432, 471, 490, 508, 548, 580, 582, 607, 623, 758, 764, 810, 907, 917, 925, 956, 957, 981, 1110, 1169, 1229, 1238, 1244, 1282, 1283, 1331, 1334, 1365, 1376, 1377, 1409, 1477, 1494, 1495, 1561, 1603, 1604, 1678, 1688, 1717, 1722, 1754, 1788, 1809, 1852, 1863, 1956, 1993, 2068, 2072, 2076, 2226, 2274, 2439, 2444, 2478, 2490, 2492, 2535, 2545, 2573, 2587, 2594, 2628, 2677, 2766, 2793, 2794, 2817, 2841, 2971, 2993, 3013, 3068, 3069, 3081, 3115, 3159, 3199, 3201, 3251, 3327, 3408, 3461, 3537, 3553, 3556, 3557, 3575, 3613, 3617, 3634, 3711, 3754, 3761, 3808, 3821, 3851, 3962, 4011]. **Schemes** [16, 44, 69, 70, 118, 129, 139, 681, 1095, 1160, 1181, 1663, 1799, 1884, 1952, 2612, 3453]. **Schemings** [2231]. **Schmit** [3293]. **Schnirelman** [1516]. **Scholes** [759, 1063, 2572]. **Schrödinger** [683, 779, 820, 966, 1082, 1098, 1143, 1303, 1446, 1487, 1515, 1528, 1844, 1845, 1873, 1887, 1950, 2099, 2203, 2237, 2287, 2481, 2504, 2536, 2695, 2752, 2838, 2858, 2878, 2918, 2933, 2938, 2971, 2978, 3029, 3071, 3098, 3111, 3362, 3375, 3446, 3474, 3510, 3705, 3709, 3710, 3736, 3841, 3946, 3963, 3977]. **Schrödinger-Type** [1845]. **Schur** [1485, 2459, 3644]. **Schwarz** [196, 448, 460, 518, 699, 916, 927, 1526, 1760, 1847, 1877, 1977, 2271, 2367, 2661, 2762, 2962, 2999, 3171, 3459, 3600, 4033]. **Schwarzschild** [2964]. **Science** [710]. **Scientific** [131, 2489, 3266]. **SDEs** [3132]. **SDFEM** [996, 1681, 3078]. **SDG** [1766]. **Sea** [1777]. **Seafloor** [1946]. **Seamless** [3010]. **Search** [807, 2898, 2937, 3399, 3460, 3588, 4066]. **Second** [318, 339, 409, 516, 624, 662, 664, 728, 731, 778, 782, 799, 815, 939, 950, 1038, 1042, 1044, 1155, 1195, 1219, 1261, 1274, 1277, 1299, 1380, 1424, 1476, 1503, 1566, 1649, 1671, 1672, 1724, 1748, 1762, 1765, 1772, 1796, 1840, 1858, 1882, 1899, 1902, 1945, 2015, 2022, 2045, 2063, 2067, 2069, 2154, 2177, 2212, 2227, 2241, 2274, 2390, 2406, 2434, 2442, 2458, 2465, 2471, 2484, 2501, 2567, 2653, 2675, 2704, 2749, 2855, 2913, 2917, 2918, 2927, 2938, 2969, 2988, 3030, 3306, 3347, 3415, 3417, 3457, 3512, 3513, 3541, 3560, 3572, 3586, 3641, 3656, 3657, 3725, 3731, 3807, 3833, 3868, 3871, 3906, 3929, 3996, 4005]. **Second** [88, 681, 732, 897, 971, 999, 1477, 1615, 1871, 2005, 2012, 2086, 2151, 2226, 2370, 2377, 2384, 2592, 2745, 2765, 2893, 3047, 3061, 3154, 3214, 3303, 3455, 3589, 3634, 3772, 3856, 3857, 3902]. **Second-Derivative** [3047, 3586]. **Second-Derivatives** [1038, 1042]. **Second-Order** [88, 516, 662, 664, 681, 799, 815, 897, 999, 1155, 1277, 1299, 1380, 1424, 1477, 1615,

1649, 1724, 1762, 1796, 1840, 1871, 1882, 2005, 2086, 2151, 2370, 2377, 2458, 2471, 2749, 2917, 2918, 2927, 2938, 2969, 3303, 3347, 3415, 3455, 3457, 3512, 3541, 3560, 3589, 3634, 3641, 3772, 3807, 3833, 3856, 3868, 3902, 3906, 3929]. **Sediment** [382, 951, 2719]. **Sedimentation** [355]. **Segel** [773, 1105, 1936, 2311, 2445, 2713, 3652, 3967]. **Segmentation** [682, 879, 986, 1130, 1178, 1215, 1266, 1360, 1394, 1685, 1703, 1782, 1897, 2309, 2362, 3298]. **Segmenting** [1896]. **Segregated** [2773]. **Seidel** [1185, 3835]. **Seidel-Based** [3835]. **Seismic** [1946, 2944, 3169, 3229, 3743]. **Seismo** [1965]. **Sekerka** [3774]. **Selecting** [452]. **Selection** [297, 1022, 1065, 1277, 1499, 1570, 1953, 2177, 2442, 2456, 2539, 2985, 2995, 3035, 3149, 3286, 3311, 3525, 3885]. **Selective** [433, 2144]. **Self** [39, 75, 2206, 2807, 2948, 3443, 3810, 4019]. **Self-adaptive** [2807]. **Self-Attention** [3443]. **Self-contact** [3810]. **self-focusing** [75]. **Self-regulating** [39]. **Self-Similar** [2206, 4019]. **selfadjoint** [1108, 2385]. **SEM** [2965]. **Semi** [279, 325, 346, 392, 491, 492, 525, 605, 690, 743, 754, 761, 789, 798, 804, 971, 1159, 1218, 1244, 1339, 1397, 1519, 1614, 1649, 1665, 1667, 1678, 1748, 1844, 1852, 1919, 1963, 1995, 2006, 2021, 2042, 2059, 2118, 2211, 2212, 2218, 2226, 2327, 2364, 2379, 2423, 2439, 2510, 2545, 2595, 2600, 2607, 2627, 2702, 2706, 2721, 2793, 2822, 2855, 2907, 2984, 3007, 3045, 3102, 3141, 3159, 3217, 3300, 3380, 3400, 3423, 3439, 3523, 3531, 3556, 3641, 3666, 3745, 3847, 3851, 3889, 3894, 3899, 3937, 4017, 4053, 4069]. **Semi-** [3159]. **Semi-Analytical** [1397, 2607]. **Semi-classical** [2600]. **Semi-Compact** [605]. **Semi-definite** [2327]. **Semi-Discrete** [525, 804, 1244, 1678, 2984, 3045, 3523]. **Semi-discretizations** [1963]. **Semi-discretized** [1844]. **Semi-Implicit** [279, 325, 392, 491, 690, 1614, 1665, 1667, 1748, 1995, 2042, 2211, 2212, 2218, 2226, 2423, 2439, 2545, 2595, 2627, 2702, 2721, 2793, 3007, 3380, 3400, 3556, 3745, 3889, 3894, 3937, 4053, 4069]. **Semi-Infinite** [1649, 3847]. **Semi-Lagrangian** [346, 492, 743, 761, 789, 798, 971, 1159, 1339, 1519, 1852, 1919, 2021, 2364, 2706, 2822, 2855, 3102, 3300, 3851]. **Semi-Linear** [754, 2907, 3666, 4017]. **Semi-Markov** [3217]. **Semi-nonnegative** [3899]. **Semi-permeable** [2510]. **Semi-Separable** [1218]. **Semi-Smooth** [2059, 2118, 3141]. **Semi-stationary** [3423]. **Semi-Supervised** [2006, 3439]. **Semicirculant** [259]. **Semiclassical** [683, 820, 2099, 2516, 3362]. **Semiconductor** [2403, 2711]. **Semidefinite** [2749, 2898, 2972, 3177, 3460, 4001]. **Semidiscrete** [290, 2767, 2873]. **Semilinear** [700, 978, 1064, 1363, 1372, 1516, 1615, 1994, 2383, 2388, 2802, 3323, 3518, 3597, 3843, 3925]. **Semismooth** [927, 2682, 3260, 3585, 3637]. **SENO** [3404]. **sense** [87, 99]. **Sensing** [1318, 3439, 4008]. **Sensitivities** [2607]. **Sensitivity** [28, 1626, 2371, 2392, 2497, 2879, 3421]. **Sensor** [2469, 3087]. **Separable** [1218, 1564, 1781, 3114, 3898]. **separated** [181]. **Separation** [36, 849, 1041, 1323, 2169]. **Separation-bubble** [36]. **Sequence** [3849]. **sequences** [84, 100]. **Sequential** [149, 1968, 3181, 3503, 3549, 3620]. **Serendipity** [3925]. **Series** [173, 238, 256, 506, 2571, 2877, 3316, 3655, 3731]. **Serre** [1324]. **Set** [374, 377, 380, 384, 392, 394, 589, 615, 618, 679, 681–684, 686, 688–690, 724, 763,

902, 1123, 1125, 1345, 1379, 1478, 1520, 1557, 1732, 1761, 1800, 1933, 2030, 2147, 2262, 2520, 2544, 2628, 2740, 2751, 2826, 2994, 3000, 3105, 3295, 3447, 3637, 3684]. **Set-Moment** [1125]. **Sets** [100, 387, 512, 828, 995, 1606, 3388, 3465]. **Settings** [1531]. **Setups** [2307]. **Sevcik** [253]. **Seven** [1712]. **Seven-Equation** [1712]. **Seventh** [2997]. **Seventh-Order** [2997]. **Several** [858]. **Severely** [3398]. **Shah** [1660]. **Shallow**
[439, 446, 447, 527, 552, 701, 777, 849, 928, 936–938, 943, 947, 950, 954, 955, 957, 985, 1033, 1156, 1179, 1197, 1384, 1409, 1593, 1629, 1670, 1823, 1830, 1929, 2407, 2525, 2632, 2636, 2719, 2737, 2764, 2839, 2850, 2876, 2903, 2930, 3014, 3057, 3211, 3250, 3264, 3287, 3289, 3345, 3498, 3628, 3711, 3756, 3773, 3782, 3931]. **Shallow-Water** [439, 937, 1384, 1670, 2876, 3057, 3756, 3931]. **Sham** [1151, 2346, 3965]. **Shannon** [2060]. **Shannon-Wavelet** [2060]. **Shape** [119, 384, 450, 682, 898, 1126, 1309, 1737, 1758, 1930, 2053, 2195, 2304, 2319, 2891, 3496]. **shape-preserving** [119]. **Shaped** [2319]. **Shapes** [377, 1416]. **Sharp** [188, 676, 1122, 1349, 1396, 1461, 2011, 3145, 3246, 3664, 3685, 3911]. **Sharp-Interface** [1349, 3664]. **Sharpness** [3392, 4049]. **Sharpness-Aware** [3392]. **Shaw** [851, 1560]. **Shear** [3009, 3711]. **Sheet** [329, 1379, 3555]. **Shell** [1930]. **Shift** [683, 3675]. **Shifted**
[365, 566, 2285, 2286, 2660, 2949, 3185, 3866, 4054]. **Shifts** [3531]. **Shishkin** [1681, 2167, 2734, 3293]. **Shock** [142, 188, 206, 388, 410, 445, 667, 764, 1783, 2201, 2229, 2338, 2475, 2598, 2748, 3106, 3744, 4048]. **Shock-Vortex** [388]. **Shocks** [319, 390, 2816]. **Shooting** [3672]. **Short** [1081]. **Shortley** [1980, 2055]. **Shrinking** [3587]. **Shu** [386, 1916]. **SIAC**
[887, 1046, 1079, 1254, 1453, 1581, 2409, 2475, 2491]. **Sided**
[559, 735, 1453, 2349, 3020]. **Sides** [2285, 2286]. **Sieving** [3177, 3805]. **Sign** [1627, 2578]. **Signal** [2144, 2806, 3543, 3813]. **Signals** [706, 1447, 3605]. **Signorini** [1055, 3144, 3888]. **Similar** [2206, 4019]. **Simons** [3790]. **Simple** [178, 389, 785, 901, 940, 1240, 1247, 1389, 1511, 1939, 2768]. **Simpler** [2753]. **Simplex** [2089, 2792, 3203, 3490, 3495]. **Simplices** [3231, 3775]. **Simplicial** [998, 2911, 3636]. **Simplified** [976, 1586, 1713, 2079, 2646, 3642]. **Simply** [1506]. **Simpson** [83]. **Simulated** [131]. **Simulating**
[46, 130, 575, 823, 1326, 1431, 2000, 2011, 2520, 2562, 2623, 2696, 3270, 3698]. **Simulation** [3, 7, 8, 25, 32, 40, 58, 90, 92, 108, 109, 123, 163, 170, 179, 186, 203, 232, 235, 252, 298, 311, 320, 328, 337, 355, 380, 381, 401, 413, 423, 431, 459, 465, 469, 524, 537, 539, 583, 600, 646, 667, 670, 694, 710, 714, 733, 779, 818, 837, 847, 851, 878, 920, 942, 953, 959, 976, 1140, 1198, 1253, 1284, 1310, 1320, 1396, 1415, 1430, 1446, 1467, 1497, 1511, 1578, 1777, 1791, 1793, 1816, 1825, 1903, 1967, 2042, 2102, 2105, 2152, 2156, 2211, 2262, 2347, 2373, 2441, 2711, 2720, 2769, 3008, 3240, 3494, 3665, 3849, 3905]. **Simulations**
[55, 57, 169, 250, 285, 286, 289, 293, 312, 329, 346, 352, 414, 424, 576, 610, 618, 734, 751, 928, 963, 1077, 1119, 1123, 1150, 1170, 1183, 1222, 1271, 1557, 1845, 1919, 2021, 2121, 2127, 2342, 2481, 2513, 2618, 2827, 2996, 3002, 3215, 3609, 3851]. **Simultaneous** [831, 2033, 2844]. **Simultaneous-Approximation-Term** [831]. **Sinc** [2845, 3893]. **Sine** [1100, 2438, 3499, 3651, 3944, 4068].

**Sine-Cosine** [1100]. **Single** [260, 333, 728, 755, 1227, 1379, 1448, 1632, 2134, 2152, 2713, 2731, 2801, 2944, 3135, 3934]. **Single-Domain** [1448]. **Single-Parameter** [333]. **Single-Pass** [3135]. **Single-Stage** [1632]. **Single-Step** [728, 1632, 2801, 3934]. **Singly** [2852, 3562]. **Singular** [41, 88, 107, 194, 297, 390, 586, 703, 747, 791, 794, 1292, 1572, 1697, 1709, 1812, 1815, 1817, 1870, 2069, 2204, 2238, 2434, 2527, 2592, 2663, 2843, 2920, 3058, 3170, 3251, 3330, 3379, 3411, 3513, 3599, 3655, 3734, 3761, 3839, 3911, 3968, 3980, 4043]. **Singularities** [50, 270, 358, 396, 1509, 1886, 2372, 2414, 3533, 3611]. **Singularity** [1383, 1449, 1515, 2928, 3240, 3649]. **Singularly** [996, 1317, 1347, 1401, 1858, 1875, 1908, 2167, 2553, 2980, 3078, 3248, 3262, 3293, 3563]. **Singularly-Perturbed** [2553]. **Sinkhorn** [3712]. **SISC** [3526, 3535]. **Sivashinsky** [101, 970]. **Six** [1457]. **Sixth** [801, 1110, 1457, 2098, 2628, 3334]. **Sixth-Order** [801, 1110, 2098, 2628, 3334]. **Size** [177, 656, 665, 911, 931, 1845, 3361]. **Size-Structured** [656, 911]. **Sketch** [3272]. **Sketch-Based** [3272]. **Sketching** [3502]. **Skew** [1207, 1341, 1495, 2467, 2473]. **Skew-Hamiltonian** [1341]. **Skew-Symmetric** [1495, 2467, 2473]. **Skew-Symmetry** [1207]. **Skewed** [3471]. **SLaT** [1896]. **SLERP** [4022]. **SLERP-TVDRK** [4022]. **Slightly** [1901]. **Slip** [1235, 1559, 1619, 1640, 1909, 2137, 2462, 2741, 2977, 4059]. **Slip-Wall** [4059]. **Slipping** [2213]. **Slit** [1148, 1671, 1672, 1744, 2279]. **Slope** [1065, 1277, 2177, 2442, 2456, 2985, 2995, 3149, 3311]. **Slot** [2342]. **Slow** [752]. **Slowness** [395]. **Slyozov** [402]. **Small** [129, 166, 235, 237, 390, 521, 586, 2325, 2668, 2882, 3088, 3196, 3252, 3674, 3688]. **small-scale** [129, 166]. **Smith** [856, 4059]. **Smith-Type** [4059]. **Smooth** [123, 209, 271, 319, 384, 506, 564, 606, 654, 716, 732, 870, 1086, 1266, 1345, 1463, 1509, 1782, 1934, 1957, 2059, 2118, 2338, 2402, 2408, 2517, 2533, 2545, 2669, 2950, 3046, 3141, 3262, 3291, 3304, 3576, 3668, 3838, 3992]. **Smoothed** [578, 1028, 3043]. **Smoothed-** [578]. **Smoother** [1005, 2500]. **Smoothers** [1847, 2294]. **Smoothing** [472, 1463, 1896, 2194, 2301, 2656, 2735, 2806, 3036, 3341, 3573, 3583, 3955]. **Smoothness** [623, 735, 887, 1046, 1079, 1254, 1453, 1581, 1839, 1940, 2201, 2491, 2593, 3642]. **Smoothness-Increasing** [735, 887, 1046, 1079, 1254, 1453, 1581, 1940, 2491]. **Snapshot** [3243]. **Snapshot-Based** [3243]. **Sobolev** [802, 1013, 2267, 2322, 3321]. **Soil** [1061]. **Soil-Structure** [1061]. **Sojourn** [3217]. **Sojourn-Based** [3217]. **Sokolov** [2860]. **Solar** [806, 2127]. **Solely** [3046]. **Solid** [823, 1337, 1431, 2131, 3905]. **Solid-State** [3905]. **Solidification** [34, 1396]. **Solids** [715, 1281]. **Solitary** [393, 973, 1253]. **Soliton** [3510]. **Solitons** [878, 1374]. **Solute** [1600]. **Solution** [9, 36, 52, 95, 117, 121, 127, 133, 135, 136, 140, 149, 156, 164, 165, 167, 180, 183, 205, 218, 222, 228, 249, 260, 430, 496, 505, 544, 571, 586, 592, 629, 642, 643, 712, 832, 848, 1151, 1304, 1309, 1328, 1334, 1398, 1457, 1538, 1686, 1705, 1717, 1723–1725, 1831, 1886, 1913, 1958, 1998, 2089, 2112, 2181, 2216, 2328, 2329, 2443, 2483, 2485, 2530, 2561, 2588, 2614, 2660, 2760, 2845, 2856, 2950, 2974, 3023, 3110, 3117,

3164, 3304, 3331, 3473, 3506, 3514, 3562, 3764, 3769, 3829, 3879, 3938, 3947, 4054]. **Solution-Domain-Decomposition** [205]. **Solutions** [23, 53, 222, 237, 270, 292, 324, 362, 395, 399, 437, 589, 614, 617, 623, 685, 731, 783, 844, 854, 870, 897, 925, 961, 985, 1046, 1079, 1193, 1254, 1342, 1352, 1372, 1427, 1452, 1516, 1531, 1572, 1619, 1719, 1745, 1805, 1815, 2168, 2206, 2238, 2402, 2412, 2491, 2503, 2539, 2545, 2883, 2946, 2968, 3022, 3046, 3121, 3170, 3182, 3372, 3403, 3476, 3482, 3576, 3670, 3795, 3802, 3857, 3872, 3881, 3892]. **Solvability** [1416]. **Solvable** [2178, 2723, 3615]. **Solve** [625, 817, 1085, 1094, 1279, 1306, 1326, 1646, 1929, 2837, 2871, 3176, 3808]. **Solvent** [801, 1600]. **Solver** [217, 251, 257, 263, 336, 421, 583, 741, 790, 940, 943, 972, 1012, 1027, 1053, 1218, 1484, 1629, 1713, 1770, 1829, 2042, 2228, 2382, 2591, 2947, 3571, 3640, 3719, 3744, 3770, 3801, 3815, 3972, 3982]. **Solvers** [108, 182, 502, 523, 744, 746, 796, 804, 865, 869, 1147, 1239, 1241, 1302, 1369, 1507, 1690, 1775, 1943, 2039, 2278, 2460, 2901, 3059, 3127, 3205, 3211, 3645, 3659, 3848, 4030]. **Solving** [198, 202, 212, 213, 276, 340, 365, 383, 426, 490, 554, 588, 664, 707, 722, 723, 911, 915, 1025, 1051, 1198, 1228, 1269, 1275, 1344, 1494, 1653, 1693, 1702, 1736, 1795, 1821, 1824, 1902, 1908, 2002, 2004, 2083, 2100, 2166, 2171, 2173, 2252, 2272, 2285, 2286, 2295, 2334, 2428, 2434, 2458, 2464, 2472, 2490, 2515, 2522, 2540, 2589, 2624, 2699, 2705, 2717, 2750, 2807, 2846, 2889, 2902, 2914, 2951, 3035, 3077, 3079, 3135, 3160, 3161, 3165, 3210, 3230, 3248, 3300, 3307, 3319, 3352, 3369, 3384, 3390, 3395, 3422, 3438, 3449, 3463, 3481, 3492, 3532, 3564, 3610, 3654, 3730, 3766, 3816, 3837, 3859, 3887, 3915, 3935, 3970, 4037, 4050]. **Solving** [35, 106, 128, 398, 944, 1319, 1387, 1423, 1432, 1601, 1616, 1697, 1970, 2122, 2352, 2384, 2686, 2937, 3205, 3309, 3381, 3617, 3632, 3650, 3919, 3957, 4026]. **Some** [139, 159, 182, 222, 292, 295, 627, 747, 840, 1205, 1292, 1498, 1561, 1858, 1907, 1960, 2048, 2113, 2204, 2235, 2266, 2578, 3510, 3524, 3682, 3855, 3896]. **Sonic** [3817]. **SOR** [716]. **SORAS** [2948]. **Sorted** [3813]. **Sound** [311, 1333, 2133, 2230]. **Source** [246, 267, 274, 548, 747, 941, 948, 955, 956, 1041, 1265, 1608, 1609, 1669, 1688, 2495, 2543, 2630, 2766, 2837, 3046, 3251, 3334, 3492, 3761, 3806, 3832, 3944, 3953, 3968]. **Sources** [38, 2354, 2920]. **SP1** [169]. **SP2** [169]. **Space** [342, 367, 505, 555, 625, 631, 634, 671, 1147, 1169, 1240, 1245, 1286, 1287, 1335, 1533, 1608, 1713, 1749, 1751, 1764, 1871, 1882, 1892, 1895, 1996, 2025, 2075, 2133, 2180, 2267, 2282, 2283, 2324, 2382, 2394, 2421, 2427, 2429, 2443, 2481, 2486, 2506, 2545, 2616, 2617, 2702, 2736, 2784, 2799, 2947, 2954, 2969, 2976, 2998, 3020, 3161, 3170, 3199, 3222, 3269, 3280, 3283, 3403, 3494, 3692, 3710, 3800, 3806, 3841, 3864, 3898, 3922, 3944, 3966, 3970, 4049]. **Space-Fractional** [1996, 2429, 2443, 2617, 2799, 2954, 3020]. **Space-Time** [505, 1147, 2025, 2947, 3161, 3403, 3494, 3710]. **Spaces** [84, 1072, 1160, 2699, 2750, 2937, 2968, 3171, 3281, 3387, 3419, 3432, 3495, 3564, 3611, 3669, 4064]. **Spacetime** [2868]. **Sparse** [199, 353, 902, 930, 1041, 1159, 1426, 1570, 1582, 1650, 1711, 1736, 1944, 2016, 2077, 2199, 2306, 2410, 2656, 2722, 2796, 2827, 3092, 3124, 3152, 3203, 3229, 3483, 3484, 3585, 3633, 3713, 3813, 3890, 3928, 4006, 4014, 4060, 4067]. **Sparse-Grid** [930]. **Sparsely** [1186]. **Sparsity**

[1002, 1003, 1021, 1483, 1523, 1700, 1990, 2260, 2280]. **Spatial** [169, 405, 534, 910, 1184, 1276, 1562, 1711, 1849, 1938, 1943, 2002, 2192, 2288, 2319, 2391, 2635, 2782, 2957, 3302, 3520, 3553, 3634, 3832]. **Spatially** [1239, 1544, 1587, 2050, 2690, 3214, 3240]. **Spatially-Adaptive** [2690]. **Spatio** [2922, 3210, 3401, 3497, 3899]. **Spatio-Temporal** [2922, 3210, 3401, 3497, 3899]. **SPDEs** [1467, 1994, 3001]. **Special** [1000, 1649, 1916, 2231, 2448, 2488, 2526, 3490]. **Specific** [3414]. **Spectral** [53, 98, 125, 143, 145, 199, 242, 254, 271, 284, 305, 308, 312, 322, 324, 329, 340, 345, 352, 358, 399, 412, 420, 421, 447, 474, 517, 521–524, 531, 587, 601, 624, 641, 644, 693, 761, 803, 835, 862, 880, 882, 934, 993, 1015, 1063, 1068, 1078, 1214, 1225, 1235, 1246, 1272, 1341, 1369, 1385, 1488, 1509, 1559, 1573, 1634, 1643, 1656, 1725, 2010, 2019, 2029, 2036, 2066, 2110, 2238, 2434, 2475, 2508, 2527, 2541, 2601, 2702, 2743, 2861, 2921, 3066, 3114, 3124, 3171, 3184, 3256, 3342, 3357, 3422, 3446, 3513, 3527, 3578, 3610, 3630, 3688, 3769, 4031, 4071]. **Spectral** [22, 30, 47, 153, 171, 200, 226, 266, 279, 309, 321, 325, 328, 350, 351, 394, 404, 460, 467, 491, 507, 513, 518, 537, 539–541, 543, 545, 584, 630, 645, 718, 725, 747, 790, 857, 889, 905, 1007, 1104, 1166, 1202, 1207, 1222, 1280, 1312, 1422, 1541, 1572, 1587, 1623, 1748, 1801, 1840, 1847, 1856, 1870, 1886, 1934, 2111, 2120, 2204, 2225, 2273, 2282, 2291, 2301, 2326, 2369, 2384, 2385, 2506, 2510, 2511, 2556, 2565, 2637, 2720, 2859, 2874, 2875, 2975, 2986, 2987, 3035, 3082, 3083, 3109, 3116, 3213, 3299, 3337, 3425, 3438, 3482, 3501, 3538, 3605, 3780, 3947, 4054]. **Spectral** [12, 24, 33, 68, 80, 86, 89, 103, 124, 137, 140, 142, 155, 159, 170, 174, 194, 346, 349, 535, 549, 551, 669, 704, 755, 759, 805, 824, 1019, 1067, 1091, 1093, 1206, 1233, 1342, 1346, 1532, 1534, 1618, 1650, 1724, 1754, 1871, 1909, 1988, 2218, 2298, 2300, 2545, 2786, 3061, 3314, 3386, 3599, 3789, 3908]. **Spectral-Element** [143, 805, 1222, 1225, 4071]. **spectral-element-low-order** [86]. **Spectral-Galerkin** [1643, 3124, 3342, 3513, 3538, 3599]. **Spectral/** [447, 1988, 3083]. **Spectrally** [2360, 3829, 3959]. **Spectrally-Consistent** [2360]. **Spectroscopy** [1041]. **Spectrum** [67, 1383, 2220, 2901]. **Spectrum-Free** [2901]. **Speed** [232, 907, 1170, 2133, 2888, 2926, 3503]. **Speed-Up** [907]. **Speeds** [1154, 2042, 2533, 3383]. **SPH** [1456, 2903]. **SPH-ALE** [2903]. **Sphere** [121, 886, 918, 1040, 1204, 1328, 1339, 1701, 2975]. **Spheres** [183, 3398, 4022]. **Spherical** [422, 551, 2036, 2869, 2905, 3061, 3303, 3404, 3578, 3716, 3740, 3955]. **Spherically** [2471]. **Spheroidal** [1754, 1822, 2035]. **Spill** [1777]. **Spin** [1420]. **Spin-1** [1420]. **Spiral** [1006]. **Spirals** [1379]. **Spline** [119, 176, 356, 709, 1012, 1356, 1398, 1512, 1699, 2004, 2028, 2063, 2710, 2819, 3506, 3921]. **Splines** [1571, 2863, 3533]. **Split** [696, 879, 1583, 2750, 2807, 2965, 3084, 3160, 3696]. **Split-form** [2965, 3084]. **Splits** [3496]. **Splitting** [61, 77, 146, 193, 207, 224, 311, 502, 507, 875, 913, 1031, 1178, 1243, 1405, 1440, 1455, 1508, 1583, 1789, 1840, 2058, 2328, 2329, 2364, 2473, 2481, 2498, 2530, 2572, 2752, 2754, 2797, 2872, 2878, 2902, 2957, 3067, 3082, 3267, 3284, 3314, 3375, 3396, 3449, 3520, 3632, 3720, 3729, 3760, 3767, 3851, 3919]. **splitting-integrating** [146]. **Splitting-up** [3314]. **Splittings** [405, 595]. **spots** [25]. **Spread** [1903].

**Spurious** [3670]. **Square** [617, 972, 2332, 2893, 3004, 3585, 3847, 4067]. **Square-Root** [3585]. **Squared** [2283]. **Squares** [301, 321, 322, 420, 468, 531, 541, 725, 1086, 1185, 1552, 1668, 1836, 2342, 2684, 2852, 3152, 3177, 3203, 3304, 3439, 3478, 3560, 3598, 3757, 4013]. **Squares/Reduced** [2452]. **Squares/Relaxation** [2181]. **Stabilities** [2818]. **Stability** [309, 314, 332, 361, 369, 425, 483, 502, 503, 534, 586, 638, 718, 739, 742, 749, 860, 882, 921, 982, 997, 1039, 1078, 1098, 1103, 1205, 1210, 1220, 1244, 1292, 1300, 1313, 1344, 1355, 1440, 1456, 1471, 1486, 1603, 1604, 1612, 1631, 1662, 1663, 1701, 1732, 1757, 1759, 1769, 1776, 1778, 1828, 1925, 1945, 2026, 2048, 2072, 2073, 2075, 2120, 2139, 2340, 2401, 2411, 2456, 2465, 2502, 2556, 2572, 2688, 2692, 2712, 2754, 2793, 2812, 2816, 2849, 2875, 2921, 2956, 2989, 3006, 3022, 3028, 3047, 3084, 3149, 3264, 3322, 3429, 3432, 3508, 3537, 3577, 3636, 3731, 3889, 3934, 4021, 4031]. **Stability** [15, 43, 158, 2188, 2218]. **Stabilization** [80, 226, 301, 549, 653, 841, 932, 1207, 1473, 1504, 1556, 1797, 1982, 2106, 2476, 2590, 2641, 2691, 2725, 2886, 2987, 3425, 3744, 3929]. **Stabilization-Free** [3929]. **Stabilizations** [3884]. **Stabilized** [107, 449, 466, 842, 988, 1310, 1343, 1417, 1501, 1537, 1554, 1555, 1692, 1719, 1907, 2169, 2226, 2413, 2423, 2701, 2793, 2832, 3194, 3247, 3249, 3282, 3390, 3809, 3862, 3877, 3981, 3987, 4044, 4069]. **Stabilizing** [3505, 3912]. **Stable** [419, 517, 552, 554, 571, 691, 788, 798, 799, 803, 810, 833, 987, 1018, 1059, 1065, 1143, 1229, 1239, 1277, 1370, 1386, 1431, 1481, 1495, 1560, 1714, 1718, 1724, 1770, 1772, 1789, 1791, 1804, 2057, 2070, 2076, 2172, 2177, 2178, 2185, 2186, 2192, 2205, 2207, 2227, 2394, 2406, 2467, 2474, 2498, 2533, 2542, 2555, 2586, 2587, 2657, 2683, 2723, 2772, 2779, 2780, 2794, 2835, 2911, 2913, 2927, 2958, 2965, 2967, 2973, 2985, 3038, 3056, 3067, 3068, 3084, 3109, 3112, 3199, 3212, 3233, 3312, 3394, 3417, 3451, 3487, 3512, 3522, 3557, 3615, 3618, 3652, 3706, 3707, 3741, 3773, 3782, 3807, 3879, 3954, 3956, 4005]. **Stable** [480, 851, 917, 1282, 1283, 1477, 1556, 1593, 1678, 1740, 1788, 1971, 2131, 2190, 2439, 2512, 2632, 2995, 3195, 3201, 3406, 3461, 3711, 3723, 3754, 3779, 3856, 3882, 4002, 4011]. **stably** [180]. **Stage** [982, 1632, 1721, 1896, 2457, 3062, 3809, 3934]. **Stage-Dependent** [3934]. **Staggered** [262, 360, 542, 1497, 1540, 1550, 1843, 2014, 2048, 2074, 2164, 2198, 2239, 2546, 2627, 2755, 3088, 3400, 3475, 3662, 3900, 4057]. **Staggering** [651, 1796]. **Standard** [182, 412, 1596, 1716, 2100, 2325, 3145]. **Standing** [257]. **Standing-Wave** [257]. **Star** [1294, 2319]. **Star-Based** [1294]. **Start** [2323]. **State** [164, 286, 411, 461, 565, 623, 899, 925, 953, 1420, 1444, 1445, 1542, 1573, 1688, 1753, 2070, 2239, 2318, 2356, 2485, 2607, 2790, 2896, 3054, 3292, 3331, 3592, 3754, 3859, 3905, 4038, 4039, 4064]. **statement** [1, 85]. **States** [734, 1910, 2621, 2695]. **Static** [418, 579, 622, 890, 1025, 1069, 1984, 2002, 2644, 3224, 3431]. **Stationary** [91, 734, 1400, 1500, 1528, 1537, 1640, 1723, 1742, 1779, 1843, 1884, 1983, 2137, 2145, 2477, 2608, 2696, 2703, 2739, 2741, 2887, 2935, 2959, 3075, 3192, 3423, 3428, 3494, 3730]. **Statistical** [191, 713, 1127]. **Statistics** [910]. **Steady** [164, 248, 262, 286, 351, 403, 411, 461, 565, 623, 702, 853, 925, 1174, 1310, 1330, 1444, 1445, 1542, 1688, 1753, 2023, 2239, 2356, 2363, 2607, 2724, 2790, 2943, 3022, 3282, 3292, 3331, 3424, 3592, 3859, 4023, 4047]. **Steady-State**

[164, 286, 461, 565, 1542, 1688, 1753, 2607, 2790, 3292, 3859]. **Steep** [2521]. **Stefan** [71, 1053, 2262, 3121]. **Steklov** [2385, 2882, 3122, 3772]. **Stem** [1232]. **Stencil** [559, 610, 1025, 2067, 2478, 2514, 3047, 3331, 3525, 3857]. **Stencils** [3361, 4052]. **Step** [349, 483, 532, 728, 860, 949, 955, 1010, 1147, 1223, 1367, 1459, 1632, 1698, 1781, 1845, 1862, 1926, 1972, 2276, 2422, 2479, 2502, 2765, 2801, 2846, 2989, 3218, 3315, 3602, 3778, 3807, 3829, 3934, 4062]. **Step-by-Step** [3829]. **Steplength** [1499]. **Stepping** [534, 576, 594, 609, 1233, 1428, 1662, 1663, 1890, 2034, 2190, 2343, 2398, 2419, 2484, 2500, 2554, 2783, 2919, 2969, 2987, 3251, 3312, 3407, 3425, 3426, 3479, 3597, 3781]. **Steps** [2118, 2500, 2867, 3076, 3233, 3246, 3415, 3487, 3632, 3729, 3786, 4039]. **Stepsize** [991, 3035]. **Stewartson** [3791]. **Stiefel** [3489, 3811]. **Stiff** [63, 267, 274, 480, 487, 800, 946, 1361, 1397, 1440, 1931, 2010, 2220, 2766, 2832, 3091, 3306, 3562, 3953, 3962]. **Stiffened** [3472]. **Stiffly** [3954]. **Stiffness** [2770, 3674]. **Stitching** [1637]. **Stochastic** [324, 713, 761, 824, 830, 993, 1023, 1187, 1250, 1263, 1339, 1429, 1542, 1561, 1582, 1588, 1612, 1621, 1708, 1776, 1921, 1957, 1991, 1994, 2132, 2199, 2219, 2223, 2318, 2370, 2375, 2396, 2404, 2425, 2426, 2487, 2493, 2596, 2659, 2735, 2781, 2840, 2845, 2846, 2872, 2895, 2942, 2963, 3001, 3024, 3103, 3155, 3223, 3319, 3341, 3351, 3389, 3399, 3427, 3429, 3444, 3445, 3468, 3588, 3604, 3612, 3693, 3696, 3727, 3735, 3758, 3858, 3883, 3961, 3981, 4053, 4066]. **Stokes** [3, 67, 101, 127, 137, 138, 192, 193, 262, 290, 327, 343, 345, 412, 420, 520, 532, 558, 614, 772, 816, 853, 876, 877, 934, 988, 990, 1019, 1032, 1052, 1056, 1058, 1139, 1141, 1235, 1237, 1285, 1304, 1309, 1355, 1386, 1411, 1514, 1519, 1526, 1542, 1550, 1559, 1723, 1728, 1766, 1768, 1805, 1843, 1853, 1972, 2023, 2048, 2088, 2164, 2185, 2186, 2243, 2246, 2289, 2462, 2499, 2701, 2709, 2723, 2782, 2805, 2847, 2895, 2943, 2959, 2991, 3021, 3028, 3048, 3150, 3209, 3212, 3232, 3244, 3259, 3448, 3516, 3528, 3572, 3602, 3635, 3690, 3730, 3762, 3889, 3971, 3981, 3992, 3999, 4044]. **Stokes** [22, 36, 87, 227, 321, 426, 430, 450, 455, 502, 509, 541, 597, 702, 728, 787, 788, 790, 1089, 1146, 1174, 1185, 1203, 1312, 1343, 1349, 1406, 1410, 1417, 1441, 1474, 1502, 1591, 1600, 1619, 1756, 1854, 1864, 1909, 1931, 1983, 1992, 2002, 2137, 2150, 2161, 2255, 2256, 2343, 2360, 2374, 2463, 2477, 2490, 2577, 2585, 2590, 2650, 2673, 2741, 2790, 2830, 2917, 2941, 2977, 3006, 3052, 3073, 3194, 3225, 3254, 3279, 3282, 3294, 3305, 3317, 3353, 3370, 3389, 3393, 3394, 3423, 3428, 3432, 3442, 3461, 3583, 3592, 3609, 3614, 3658, 3693, 3697, 3742, 3757, 3792, 3825, 3862, 3875, 3877, 3910, 3923, 3924, 3995, 4039, 4057, 4061]. **Stokes** [805, 1069, 1247, 1640, 1971, 2482, 2886, 3147, 3874]. **Stokes-Like** [3432]. **Stokes/Darcy** [2150, 3254]. **Stopping** [672, 881, 1242, 2460]. **Storage** [1614, 2046]. **Storm** [906]. **Stormer** [2005, 2054]. **Störmer-Cowell** [2005]. **Stormer-Numerov** [2054]. **Straight** [1735]. **Strain** [2909, 3270, 3454]. **Strained** [714]. **Strand** [1574]. **Strang** [2481, 2878, 3520]. **Strategies** [493, 604, 659, 1175, 1679, 2415, 3604]. **Strategy** [907, 1194, 1806, 1884, 2757, 2806, 2931, 2994, 3053, 3177, 3290, 3331, 3332, 3637, 3684, 3769, 3805]. **Stratified** [180, 959]. **Stream** [1803, 1909, 2369, 2490, 2535, 3174, 3613]. **Stream-Function-Vorticity** [1803]. **Streamfunction** [702, 816, 877, 1174, 1652, 2499]. **streamfunction-velocity** [1174].

**Streaming** [1306]. **Streamline** [730, 735]. **Streamwise** [1026]. **Stress** [157, 313, 698, 858, 2246, 2709, 3225, 3281]. **Stress-Assisted** [3281]. **Stretch** [2310]. **Strictly** [987, 1449]. **Strong** [314, 361, 425, 483, 492, 534, 739, 749, 982, 1220, 1300, 1471, 1662, 1663, 1684, 1769, 1828, 1925, 1994, 2073, 2139, 2229, 2249, 2411, 2465, 2502, 2709, 2794, 2807, 2921, 2937, 2989, 3103, 3259, 3351, 3429, 3449, 3731, 3940]. **Strong-Stability-Preserving** [314, 534, 982, 1300, 2989]. **Strongly** [942, 1145, 1577, 1879, 2243, 2246, 2551, 3342, 3717, 3905]. **Structural** [2078, 3431, 3636]. **Structure** [34, 166, 177, 335, 512, 522, 694, 711, 817, 898, 926, 1017, 1061, 1153, 1379, 1468, 1565, 1850, 1859, 2014, 2020, 2122, 2299, 2449, 2599, 2619, 2648, 2971, 3008, 3013, 3028, 3064, 3071, 3090, 3115, 3148, 3380, 3515, 3551, 3553, 3698, 3715, 3756, 3817, 3818, 3841, 3909, 3915, 3937, 3940, 4000, 4001, 4010, 4070]. **Structure-Preserving** [1468, 2449, 2619, 2648, 3013, 3071, 3115, 3148, 3515, 3551, 3553, 3698, 3817, 3818, 3841, 3937, 3940, 4010, 4070]. **Structured** [656, 911, 1254, 1570, 2080, 2728, 2824, 3720, 3808, 3870]. **Structures** [235, 252, 1956, 2122, 2378, 2471, 2506, 2529, 2619, 2800, 3117, 3724, 3801, 3974]. **Studies** [827, 830, 1071, 1746, 3500]. **Study** [10, 70, 82, 120, 390, 401, 402, 413, 423, 426, 458, 576, 696, 716, 790, 865, 910, 923, 1016, 1076, 1100, 1106, 1111, 1181, 1259, 1292, 1306, 1331, 1385, 1420, 1579, 1613, 1938, 1949, 2012, 2240, 2642, 3520, 3543]. **Sturm** [2511]. **STVDRK** [4022]. **Sub** [775, 1460, 1544, 1562, 1783, 1902, 2141, 2338, 3251, 3494, 3555, 3761, 3861]. **Sub-cell** [2338, 3494]. **Sub-cells** [1783]. **Sub-Diffusion** [1460, 1544, 1562, 1902, 2141, 3251, 3761, 3861]. **Sub-diffusions** [3555]. **Sub-optimal** [775]. **Subcell** [94, 1083, 2627, 2778, 3053, 3665, 3756, 3812]. **Subcells** [3324]. **Subdiffusion** [1260, 1344, 1726, 2135, 2388, 2517, 2672, 2710, 2801, 2833, 2867, 2919, 2992, 3204, 3320, 3508, 3534, 3558, 3677, 3679, 3868, 3932, 3938]. **Subdivision** [1373, 3880]. **Subdomain** [391, 1992, 2582, 4039]. **Subdomain-Wise** [1992]. **Subdomains** [813, 1275, 2378]. **Subfilter** [960, 965]. **Subfilter-Scale** [960]. **Subgradient** [2431, 2963, 3015, 3076]. **Subgrid** [1310, 1805, 2822]. **Subharmonic** [745]. **Subject** [1854]. **Sublinear** [1049, 3574]. **Submanifolds** [2656]. **Submatrices** [3517]. **Submerged** [289]. **submicron** [92]. **Suboptimal** [1736]. **Suboptimality** [808]. **Subordinate** [2857]. **Subproblem** [2768]. **Subsampling** [2315, 2994]. **Subspace** [645, 1532, 1755, 1773, 1848, 2095, 2326, 2732, 2932, 3305, 3410, 3416, 3849, 4004]. **Subspaces** [3065, 3678]. **Substantial** [2019]. **Substitution** [1269]. **Substructured** [3171]. **Substructuring** [708]. **Subsurface** [770, 1524]. **Subsurfaces** [2007]. **Subtraction** [1409, 2525]. **Subtractional** [421]. **Successive** [2761]. **Sufficient** [1480]. **Sufficiently** [965]. **Suitable** [961, 1805, 3195, 3374]. **Suliciu** [804]. **Sum** [1137, 2170, 3329, 3356]. **Sum-of-Exponentials** [3329]. **Sum-of-Poles** [1137]. **Summation** [363, 400, 461, 632, 677, 872, 994, 1038, 1042, 1707, 1798, 1886, 2003, 2033, 2086, 2205, 2394, 2555, 2564, 2586, 2794, 2816, 2842, 3047, 3154, 3265, 3306, 3325, 3371,

3741, 3945, 3983, 4071]. **Summation-By-Parts**
[363, 400, 461, 872, 994, 1798, 2003, 2033, 2086, 2205, 2394, 2555, 2564, 2586, 2842, 3047, 3154, 3265, 3306, 3325, 3371, 3741, 3945, 3983, 4071]. **Sums**
[173, 238, 256, 3058]. **sup** [1556, 1971]. **Super**
[727, 1289, 1511, 1669, 1949, 2055, 2575, 3555, 4039]. **Super-** [3555].
**Super-Convergence** [1511, 2055]. **Super-Hydrophobic** [4039].
**Super-Resolution** [727, 1289, 1669, 2575]. **Supercloseness**
[2045, 2167, 2380, 2851]. **Supercomputers** [220]. **Superconductivity** [3368].
**Superconsistent** [304]. **Superconvergence** [437, 649, 669, 754, 786, 822, 891, 996, 1192, 1280, 1286, 1351, 1472, 1474, 1515, 1739, 1743, 1849, 1874, 1880, 1887, 1920, 1950, 1978, 2051, 2235, 2303, 2380, 2491, 2508, 2536, 2548, 2569, 2652, 2672, 2788, 2924, 2925, 3047, 3095, 3325, 3511, 3663, 3778, 3932]. **Superconvergent**
[635, 771, 864, 1047, 1108, 1234, 1729, 1741, 1774, 1924, 2159, 2246, 2509, 2528, 2564, 2795, 3049, 3198, 3407]. **Superdiffusion** [3723]. **Superfast** [3668].
**Superiority** [1256]. **Superlinear** [3574]. **Supermesh** [3121]. **Superposed**
[3906]. **Superposition** [685]. **Supersingular** [1545]. **Supersolutions** [1049].
**Supersonic** [1123]. **Supervised** [2006, 3439, 3899]. **SUPG** [1536, 1613, 2106].
**Support** [1432, 3587]. **Supported** [1416, 2338]. **suppressing** [99]. **Supra**
[613]. **Supra-Convergent** [613]. **Surface** [48, 59, 148, 364, 384, 392, 457, 465, 523, 599, 692, 770, 780, 828, 879, 980, 1004, 1009, 1020, 1130, 1732, 1912, 1992, 2156, 2224, 2236, 2464, 2622, 2634, 2736, 2785, 2789, 2905, 3002, 3214, 3289, 3300, 3326, 3376, 3400, 3447, 3629, 3671, 3691, 3698, 3905]. **Surfaces**
[244, 673, 686, 986, 1085, 1094, 1191, 1255, 1279, 1373, 1379, 1412, 1496, 1506, 1607, 1761, 1897, 2156, 2217, 2248, 2347, 2405, 3479, 3659, 3837, 3879].
**Surfaces/Asymptotic** [3879]. **Surfactant** [2018, 2395, 3201, 3479]. **Surge**
[906, 1062]. **Surrogate** [1933, 2732, 3387, 4036, 4050, 4054]. **SVD**
[2280, 3336, 3517, 3801]. **SVD-Based** [3801]. **SVDsolver** [3655]. **SWAN**
[1062]. **Swarm** [2507]. **Sweep** [2981]. **Sweeping** [579, 622, 890, 1057, 1354, 1444, 1445, 1607, 1939, 2561, 2644, 2678, 2865, 2933, 2938, 3292, 3848]. **Swift**
[2474, 2913, 3335, 3807]. **switch** [66]. **Switching**
[785, 852, 1242, 1889, 2096, 2097, 2637, 2742, 3758, 3853]. **SWMHD** [3779].
**Sylvester** [554]. **Symbolic** [90, 214]. **Symmetric**
[454, 626, 767, 775, 861, 916, 1200, 1237, 1278, 1340, 1341, 1495, 1638, 1710, 1784, 1785, 1794, 1949, 1970, 2377, 2467, 2471, 2473, 2505, 2645, 2709, 2744, 2975, 3165, 3290, 3323, 3403, 3457, 3495, 3518, 3918, 3923, 3958, 3982]. **Symmetrical** [3231].
**Symmetrized** [3222]. **Symmetry**
[663, 858, 933, 1048, 1207, 1224, 1885, 1976, 2246, 2509, 2998, 3303].
**Symmetry-Based** [1224]. **Symplectic** [482, 1566, 2127, 2897, 3843]. **Synge**
[3754]. **Synge-Type** [3754]. **System**
[46, 72, 139, 237, 280, 402, 435, 507, 602, 705, 745, 851, 877, 937, 943, 945, 953, 959, 967, 1285, 1317, 1409, 1560, 1597, 1629, 1697, 1733, 1766, 1806, 1824, 1879, 1947, 2018, 2052, 2127, 2227, 2234, 2262, 2439, 2466, 2537, 2549, 2565, 2609, 2650, 2683, 2723, 2724, 2758, 2782, 2817, 2849, 2867, 2868, 2872, 2876, 2887, 2916, 2931, 2958, 3033, 3095, 3127, 3137, 3173, 3212, 3227, 3235, 3342, 3423, 3451, 3547, 3552, 3640,

3657, 3658, 3707, 3781, 3791, 3842, 3871, 3894, 3916, 3946, 4023]. **Systematic** [2012]. **Systems**
[214, 217, 259, 316, 332, 374, 382, 404, 447, 454, 468, 484, 487, 548, 565, 592, 617, 627, 687, 713, 748, 856, 908, 933, 940, 944, 946, 952, 1048, 1099, 1117, 1305, 1339, 1361, 1369, 1415, 1449, 1458, 1468, 1543, 1566, 1571, 1580, 1598, 1642, 1653, 1673, 1693, 1757, 1970, 2095, 2171, 2217, 2285, 2313, 2367, 2389, 2445, 2449, 2460, 2496, 2505, 2533, 2552, 2557, 2614, 2677, 2753, 2766, 2815, 2823, 2835, 2840, 2855, 2904, 2965, 3035, 3041, 3045, 3079, 3118, 3126, 3131, 3150, 3179, 3207, 3211, 3403, 3440, 3448, 3452, 3515, 3626, 3638, 3765, 3797, 3815, 3849, 3892, 3912, 3933, 3997]. **Systems** [17, 18, 63, 91, 128, 149, 167, 218, 555, 781, 1181, 2286, 2980, 2998, 3195, 3903, 4041, 4059].

**T** [3064, 3336]. **T-Product** [3064, 3336]. **t-SVD** [3336]. **Tailored** [703, 791, 836, 855, 924, 977, 1747, 1908, 3070]. **Tails** [1183]. **Tangent** [3689]. **Tangential** [2095]. **TASE** [3562, 3904]. **Tasks** [3864]. **Tau** [815, 2552, 3082]. **Taylor** [355, 458, 1486, 2747, 3305, 3454, 3731]. **TDNNS** [3530]. **Technique** [29, 115, 125, 153, 165, 309, 627, 1117, 1151, 1203, 1546, 1838, 1939, 2115, 2200, 2207, 2609, 2617, 2833, 2867, 2900, 3375, 3651, 3808, 3880, 3997]. **Techniques** [62, 80, 149, 187, 396, 523, 1398, 1409, 1428, 1435, 1848, 2300, 2507, 2525, 2760, 2828, 2923, 2932, 3222, 3305]. **Teichmüller** [1297]. **Telescopic** [2130]. **Temam** [3353]. **Temperature** [211, 1402, 2083, 2290, 2721, 2739, 3952, 4047]. **Temperature-Dependent** [2739, 4047]. **Tempered** [2008, 2096, 2136, 2391, 2609, 2654, 3170]. **Template** [3768]. **Template-Based** [3768]. **Temporal**
[264, 502, 1902, 2274, 2437, 2563, 2738, 2922, 3210, 3401, 3455, 3497, 3833, 3899]. **Temporally** [2873]. **Ten** [2076, 2543]. **Ten-Moment** [2543]. **TENO** [3060, 3069, 3139, 3242, 3525]. **Tension** [3400]. **Tensor**
[746, 1216, 1678, 1755, 1970, 2031, 2246, 2306, 2443, 2450, 2480, 2547, 2564, 2645, 2687, 2722, 2803, 2890, 2922, 2990, 3064, 3079, 3120, 3180, 3189, 3220, 3261, 3296, 3325, 3336, 3338, 3350, 3382, 3385, 3631, 3667, 3683, 3714, 3727, 3734, 3826, 3850, 3948, 3960, 3990, 4020, 4026]. **Tensor-Based** [1678]. **Tensor-Product** [746, 2564, 3325]. **Tensor-Train** [1755, 2443]. **Tensorial** [2004]. **Tensors** [1323, 1653, 1654, 2171, 3354, 3377, 3502, 3939, 3948]. **Term**
[192, 422, 586, 831, 955, 1313, 1510, 1688, 1902, 2180, 2274, 2292, 2543, 2548, 2766, 3334, 3807, 3832, 3968, 3975, 4028]. **Terminal** [3672]. **Terms** [207, 267, 274, 548, 747, 941, 948, 1266, 1782, 2033, 2748, 2896, 3251, 3533, 3761, 3953]. **Ternary** [2683]. **Terrain** [1333]. **Tessellations** [843, 1390]. **Test** [37, 472, 1866, 3278]. **Testing** [229, 1036, 2679]. **Tetrahedra** [1282, 1283, 3983]. **Tetrahedral** [96, 1234, 1254, 1351, 1717, 2193, 2818, 3109]. **Tetrahedron** [587, 3124]. **texture** [147]. **Textures** [397]. **Their**
[159, 638, 758, 826, 878, 1123, 1160, 2008, 2219, 2220, 2296, 2918, 3165, 3907]. **Theoretical** [47, 1505, 3137, 4059]. **Theory** [2, 37, 42, 64, 73, 122, 216, 247, 333, 359, 856, 1443, 2476, 2949, 3456, 3527, 3600, 3606]. **Thermal** [204, 248, 3007]. **Thermally** [3192, 3464]. **Thermistor** [1535]. **Thermo** [2378, 3009, 3224].

**Thermo-Mechanical** [2378, 3009]. **Thermo-Poroelasticity** [3224]. **Thermocapillary** [248]. **Thermodynamically** [2850, 2883, 3345, 3643]. **Thermoelasticity** [1171]. **thermohydrodynamics** [130]. **Thick** [3810]. **Thiele** [253]. **Thin** [329, 547, 692, 711, 849, 1065, 1277, 1398, 1571, 1840, 2177, 2314, 2442, 2456, 2515, 2863]. **Third**
[254, 598, 904, 944, 1027, 1354, 1543, 1622, 1651, 1671, 1672, 1927, 2016, 2103, 2361, 2456, 2514, 2593, 2853, 3013, 3079, 3115, 3476, 3948]. **Third-Kind** [3476]. **Third-Order**
[254, 944, 1027, 1543, 1651, 1927, 2103, 2361, 2514, 2593, 3013, 3079, 3115, 3948]. **Thomas** [1399, 3109, 3168, 3337]. **Three**
[15, 54, 56, 207, 213, 219, 260, 293, 446, 465, 499, 557, 632, 714, 720, 746, 830, 988, 1031, 1110, 1157, 1161, 1256, 1312, 1315, 1457, 1486, 1521, 1574, 1608, 1610, 1623, 1788, 1812, 1896, 1897, 1996, 2077, 2170, 2181, 2429, 2492, 2530, 2565, 2619, 2731, 2870, 2944, 3008, 3022, 3040, 3273, 3284, 3337, 3424, 3447, 3635, 3659, 3772]. **Three-Dimension** [2731]. **Three-Dimensional** [15, 54, 56, 207, 213, 219, 260, 293, 446, 465, 632, 746, 830, 988, 1031, 1110, 1157, 1161, 1312, 1315, 1521, 1574, 1608, 1610, 1812, 1897, 1996, 2181, 2870, 3008, 3337, 3424, 3447]. **Three-field** [3273]. **Three-Operator** [3284]. **Three-Phase** [1788]. **Three-Scale** [3772]. **Three-Stage** [1896]. **Threshold** [1127, 1845, 1973, 2518]. **Thresholding** [639, 1595, 1896, 2353, 3573, 3601, 3633, 4006, 4014]. **THz** [2711]. **Tight** [1212, 1700, 3091]. **Tikhonov** [1188, 1389, 1773, 3064]. **Tilted** [2678]. **Time**
[257, 263, 312, 331, 352, 378, 402, 405, 505, 532, 557, 594, 671, 762, 770, 782, 831, 966, 968, 976, 1014, 1168, 1175, 1257, 1371, 1381, 1401, 1446, 1447, 1521, 1590, 1608, 1613, 1659, 1662, 1663, 1665, 1696, 1702, 1860, 1890, 1899, 1902, 1923, 1962, 1995, 2044, 2133, 2136, 2180, 2231, 2235, 2313, 2324, 2391, 2394, 2403, 2408, 2423, 2433, 2443, 2456, 2567, 2667, 2689, 2726, 2783, 2797, 2810, 2832, 2895, 2938, 2944, 2991, 3017, 3021, 3102, 3161, 3245, 3246, 3297, 3360, 3368, 3403, 3486, 3503, 3546, 3558, 3594, 3610, 3703, 3710, 3786, 3787, 3807, 3845, 3889, 3904, 3915, 3938, 3966, 3970, 3985]. **Time**
[197, 219, 342, 361, 425, 483, 486, 487, 507, 534, 609, 634, 728, 739, 783, 915, 926, 949, 982, 1222, 1245, 1300, 1335, 1344, 1355, 1397, 1465, 1508, 1541, 1667, 1713, 1756, 1792, 1821, 1845, 1878, 1882, 1898, 1998, 2025, 2034, 2075, 2083, 2135, 2154, 2197, 2211, 2225, 2227, 2263, 2347, 2373, 2402, 2437, 2446, 2447, 2484, 2515–2517, 2548, 2554, 2568, 2647, 2655, 2698, 2736, 2767, 2969, 2987, 3024, 3030, 3046, 3049, 3116, 3123, 3129, 3145, 3156, 3312, 3333, 3425, 3433, 3479, 3512, 3519, 3568, 3576, 3608, 3641, 3679, 3681, 3690, 3692, 3712, 3729, 3781, 3790, 3827, 3832, 3840, 3853, 3869, 3873, 3963, 3984, 4010, 4039]. **Time**
[232, 246, 306, 314, 426, 576, 584, 651, 707, 738, 742, 861, 891, 1012, 1061, 1134, 1226, 1233, 1291, 1367, 1428, 1429, 1469, 1477, 1561, 1615, 1644, 1751, 1752, 1764, 1784, 1871, 1877, 1996, 2051, 2064, 2151, 2158, 2188, 2190, 2257, 2274, 2282, 2343, 2398, 2419, 2422, 2486, 2500, 2506, 2545, 2616, 2643, 2672, 2688, 2729, 2766, 2769, 2794, 2867, 2919, 2989, 3025, 3032, 3059, 3098, 3158, 3170, 3172, 3251, 3276, 3311, 3335, 3347, 3370, 3373, 3381, 3396, 3407, 3409, 3426, 3444, 3494, 3508, 3534, 3579, 3597, 3693, 3761, 3767, 3770, 3778, 3806, 3815, 3824, 3828, 3833, 3854, 3910, 3919,

3934, 3941, 3944, 3949, 3962, 4021, 4048, 4068]. **Time**
[46, 61, 77, 117, 126, 144, 193, 1147, 1172, 2805, 2886, 2947, 3280, 3515].
**Time-Accurate** [3512, 4048]. **Time-Based** [257].
**Time-Caputo-Tempered** [2391]. **Time-Continuous** [3373].
**Time-Dependent** [77, 126, 232, 312, 352, 532, 770, 831, 966, 976, 1014, 1355, 1371, 1401, 1613, 1923, 1995, 1996, 2064, 2075, 2197, 2235, 2313, 2347, 2403, 2423, 2443, 2446, 2447, 2647, 2667, 2810, 2886, 2895, 2938, 2991, 3021, 3032, 3046, 3245, 3360, 3368, 3381, 3433, 3444, 3486, 3519, 3610, 3690, 3815, 3845].
**Time-Discretization** [982]. **Time-Domain**
[246, 707, 915, 1381, 1447, 1521, 1644, 2769]. **Time-Filter-SAV** [3915].
**Time-Fractional** [1344, 1477, 1752, 1756, 1877, 1878, 1962, 2083, 2151, 2188, 2437, 2515, 2548, 2616, 2647, 2698, 2726, 2729, 3046, 3049, 3145, 3156, 3158, 3276, 3297, 3333, 3409, 3534, 3558, 3576, 3594, 3710, 3767, 3770, 3824, 3828, 3833, 3840, 3869, 3919, 3938, 3941, 3984]. **Time-Harmonic** [861, 891, 2051, 2433, 3703].
**Time-Limited** [3681]. **Time-Limiters** [378]. **Time-Marching**
[144, 197, 219, 3934, 4021]. **Time-Parallel** [3608]. **Time-Space**
[2545, 2969, 3170, 3944]. **Time-Spectral** [2225, 3116]. **Time-Splitting**
[61, 507]. **Time-Stepping** [534, 576, 1428, 1662, 1663, 1890, 2190, 2398, 2419, 2484, 2554, 2969, 2987, 3251, 3312, 3425, 3479]. **Time-Steps** [3729].
**Time-Tempered** [2136]. **Time-Transient** [2655]. **Time/Space** [2133].
**Times** [1719, 2102, 2130]. **Timestepping** [655]. **Timoshenko**
[526, 850, 1548, 3507]. **Tissue** [1182, 1232]. **Toeplitz**
[217, 2957, 3765, 3847, 3933]. **Tokamak** [3582]. **Tolerance** [1194].
**tomographic** [26, 187]. **Tomography**
[1002, 1008, 1021, 1826, 2690, 3063, 3481, 3760, 4008]. **Toolbox** [242, 689].
**Toolkit** [966]. **Top** [578]. **Top-Hat** [578]. **Topographic** [3447].
**Topography** [1965, 2839, 3211]. **Topological** [1393, 2854, 4017]. **Topologies**
[3768]. **Topology** [1897]. **Total** [214, 397, 525, 639, 650, 986, 1252, 1290, 1364, 1570, 1637, 1786, 1817, 1851, 2114, 2292, 2480, 2532, 2575, 2731, 2844, 3134, 3291, 3350, 3376, 3569, 3644, 3819, 3850, 3988, 4015]. **TR** [1769]. **Trace**
[631, 1563, 3646]. **Trace-Penalty** [1563]. **Tracer** [1328]. **Tracing**
[730, 1725, 1806, 2189, 2284]. **Tracking** [94, 374, 555, 621, 792, 2840].
**Traditional** [2415]. **Traffic** [721, 1392, 2501, 2922]. **Train** [1755, 2443, 2480].
**Training** [1933, 2598, 2994, 3216, 3392]. **Trajectories** [1132, 2896].
**Transactional** [1119]. **Transfer** [200, 205, 625, 1371, 2145, 2251, 2269, 2630, 2642, 2821, 2869, 3007, 3099, 3107, 3208, 3383, 3444, 3634, 4053]. **Transferable**
[3783]. **Transfinite** [225]. **Transform** [78, 150, 1142, 1589, 1811, 1815, 1955, 2097, 2157, 2165, 2957, 3261, 3405, 3443, 3499, 3605, 3893, 3944].
**Transformation** [903, 995, 1611, 1812, 3651, 4037]. **Transformation-free**
[903]. **Transformations** [400, 626, 2921]. **Transformed** [280, 2803, 3336].
**Transforms** [3229, 3338]. **Transient**
[164, 437, 600, 740, 941, 1103, 2278, 2655, 2821, 3254, 3908]. **Transients** [223].
**Transition** [57, 214, 1281, 3033]. **Transitional** [305, 1469]. **Transitions** [319].
**Translating** [605, 903]. **Transmission** [1211, 1225, 1298, 1422, 1639, 1730,

1867, 2036, 2270, 2561, 2576, 2631, 3354, 3509, 3567, 3578, 3606].
**Transmittance** [806]. **Transparent** [1656, 1881]. **Transplantation** [863].
**Transport** [97, 207, 231, 236, 240, 382, 456, 489, 527, 566, 951, 1328, 1361, 1919, 1921, 2044, 2093, 2182, 2262, 2291, 2435, 2445, 2684, 2712, 3044, 3095, 3140, 3141, 3292, 3348, 3433, 3640, 3660, 3679, 3712, 3860, 3877, 3895, 3907, 3922, 3927, 3942].
**Transportation** [2560, 2923]. **Transpose** [1770]. **Transverse** [1659, 2342].
**Transversely** [2678]. **Trapezoidal** [1545, 3157]. **Travel** [2944]. **Traveling** [2946]. **Travelling** [4019]. **Treat** [1337]. **Treatment** [109, 799, 829, 890, 937, 1209, 1380, 1600, 1759, 1852, 2976, 3318]. **Tree** [252, 675, 4000]. **Treecode** [2584]. **Trees** [3784]. **Trefftz** [2582]. **Tri** [1515].
**Tri-linear** [1515]. **Trial** [2666]. **Triangles** [98, 3983]. **Triangular** [268, 373, 598, 662, 981, 1018, 1161, 1197, 1334, 1411, 1681, 1740, 1824, 1900, 1942, 2167, 3079, 3219, 3358, 3425, 3712, 3933]. **Triangularized** [3352].
**Triangulated** [986, 1761, 1895, 3376]. **Triangulation** [673]. **Triangulations** [1735, 3317]. **Tridiagonal** [167, 217]. **Trigonometric** [79, 173, 1160, 1301, 2957]. **Triple** [1270, 1450, 2922, 4039]. **Triple-Porosity** [4039]. **Triplets** [3655]. **Trivariate** [3506]. **Trivial** [323]. **Trotter** [2872].
**Troubled** [3310]. **Troubled-Cell** [3310]. **True** [3316, 4054]. **Truncated** [2884, 3465, 3484]. **Truncation** [35, 365, 1202, 1436, 2273, 3681]. **Truncations** [2174, 2571]. **Trust** [1479, 2931, 3290, 3482, 3607, 3991, 4004]. **Trust-Region** [2931, 3290, 3482, 3607]. **Tseng** [3632]. **Tsunami** [1946]. **Tube** [667].
**Tubular** [512]. **Tucker** [2894, 3502]. **Tukey** [1928]. **Tumor** [688, 1090, 2507].
**Tunable** [1993]. **Tunneling** [779]. **Turbulence** [2, 9, 23, 37, 49, 65, 68, 73, 75, 82, 103, 104, 157, 166, 177, 179, 181, 186, 230, 235, 243, 247, 346, 572, 610, 880, 2078, 2315, 2697, 3719]. **Turbulence-Degraded** [2315]. **Turbulent** [25, 32, 112, 123, 151, 187, 211, 227, 231, 236, 303, 431, 539, 920, 1170, 1320, 1574, 1578, 2240, 2850, 3345, 3994]. **Turek** [2795]. **Turing** [285, 469]. **TV** [376, 668, 727, 990, 1032, 1118, 1628, 1864, 2280].
**TV-Regularization** [727]. **TV-Stokes** [990, 1032]. **TVD** [118, 318, 471, 922, 1823, 1855]. **TVDRK** [4022]. **Two** [204, 212, 371, 448, 496, 552, 581, 615, 625, 627, 649, 729, 748, 792, 860, 916, 937, 943, 944, 975, 979, 983, 1010, 1053, 1077, 1155, 1156, 1165, 1173, 1223, 1231, 1311, 1362, 1386, 1400, 1411, 1512, 1524, 1568, 1577, 1608, 1659, 1662–1664, 1683, 1702, 1712, 1718, 1741, 1768, 1802, 1873, 1919, 1954, 1972, 1997, 2007, 2011, 2088, 2180, 2328, 2329, 2339, 2364, 2366, 2391, 2421, 2597, 2618, 2682, 2689, 2705, 2929, 2943, 2953, 3023, 3038, 3055, 3062, 3093, 3218, 3256, 3301, 3340, 3400, 3520, 3594, 3602, 3635, 3648, 3664, 3706, 3749, 3765, 3773, 3841, 3852, 3906, 3952, 3992, 4005, 4062].
**Two** [3, 243, 249, 293, 314, 349, 353, 367, 494, 571, 618, 633, 647, 676, 730, 734, 760, 791, 809, 827, 927, 1029, 1059, 1066, 1083, 1125, 1158, 1201, 1217, 1232, 1310, 1317, 1370, 1427, 1459, 1557, 1652, 1698, 1710, 1715, 1721, 1743, 1764, 1772, 1779, 1781, 1878, 1888, 1977, 2027, 2119, 2156, 2162, 2349, 2352, 2368, 2388, 2479, 2502, 2580, 2608, 2621, 2641, 2661, 2678, 2691, 2697, 2738, 2753, 2906–2908, 2927, 2977, 3020, 3029, 3039, 3041, 3068, 3069, 3082, 3136, 3160, 3202, 3254, 3295, 3315, 3324, 3330, 3337, 3372, 3426, 3459, 3545, 3643, 3677, 3719, 3853, 3882,

3914, 3931, 3956, 4023, 4044, 4056]. **Two**
[7, 10, 52, 54, 101, 120, 158, 175, 176, 179, 183, 191, 240, 759, 849, 1069, 1500, 1636, 1752, 1951, 2322, 2639, 3000, 3251, 3624, 3830, 3861, 4046]. **Two-** [54, 293]. **Two-Body** [647]. **Two-Component** [734, 2927]. **Two-D** [3830]. **Two-Derivative** [1662, 1663, 1715]. **Two-Dimensional**
[3, 7, 10, 52, 101, 158, 179, 191, 212, 243, 249, 349, 367, 496, 552, 627, 649, 729, 730, 748, 944, 1066, 1077, 1165, 1232, 1362, 1427, 1512, 1568, 1636, 1659, 1664, 1702, 1710, 1768, 1919, 1951, 1997, 2162, 2180, 2322, 2364, 2368, 2421, 2496, 2580, 2618, 2639, 2678, 2908, 3029, 3295, 3324, 3664, 3749, 3841, 3861, 3914, 3992]. **Two-Equation** [240, 2697, 3719]. **Two-Fluid**
[581, 633, 1059, 1311, 3643, 3706, 4005]. **Two-Grid**
[927, 975, 979, 1069, 1155, 1310, 1577, 1683, 1741, 1878, 1954, 1972, 2689, 2906, 2907, 2943, 3000, 3093, 3202, 3254, 3256, 3594, 3765, 4023, 4044]. **Two-Layer**
[937, 943, 1156, 2339, 3039, 3773, 3931]. **Two-Level** [175, 448, 760, 916, 1201, 1400, 1500, 1608, 1764, 1779, 1977, 2388, 2608, 2661, 3459, 3520]. **Two-Medium**
[1083, 2705]. **Two-Norm** [1217]. **Two-Parameter** [204, 3023]. **Two-Phase**
[371, 615, 618, 676, 792, 809, 849, 1053, 1125, 1231, 1370, 1386, 1524, 1557, 1712, 1718, 1772, 1888, 2641, 2977, 3068, 3372, 3400, 3426, 3624, 3648, 3664, 3852, 3853, 3906, 4056]. **Two-Point** [3038]. **Two-Scale** [176, 353, 3136]. **Two-Sided**
[2349, 3020]. **Two-Stage** [1721, 3062]. **Two-Step**
[860, 1010, 1223, 1698, 1781, 2479, 2502, 3218, 3315, 4062]. **Two-Temperature**
[3952]. **Twogrid** [3531]. **Type** [101, 163, 308, 559, 652, 661, 701, 848, 856, 857, 926, 1045, 1055, 1070, 1091, 1117, 1199, 1280, 1466, 1493, 1510, 1580, 1612, 1742, 1776, 1799, 1816, 1826, 1845, 1927, 1949, 1952, 1972, 2080, 2124, 2126, 2137, 2141, 2151, 2215, 2445, 2462, 2476, 2497, 2563, 2596, 2600, 2606, 2651, 2715, 2750, 2758, 2851, 2871, 2968, 3032, 3064, 3078, 3129, 3247, 3355, 3379, 3529, 3576, 3603, 3649, 3746, 3750, 3754, 3865, 3965, 3981, 4009, 4059, 4068]. **Types** [2493, 2720].

**Ultra** [2287, 2536, 2924, 3846, 3974]. **Ultra-convergence** [3974]. **Ultra-Weak** [2287, 2536, 2924, 3846]. **Ultrashort** [859]. **Ultrasound** [1851]. **Ultraspherical** [3610]. **Un-rectifying** [3863]. **Unbalanced** [2094, 3942]. **Unbounded** [703, 805, 978, 1088, 1093, 1299, 1509, 1680, 1871, 2116, 2341, 2630, 2702, 3010, 3134, 3342, 3465, 3501, 3575, 3828]. **Uncertain**
[2016, 2145, 2521, 3444, 3604, 3972]. **Uncertainties** [3771]. **Uncertainty**
[761, 1530, 1650, 2319, 2495, 2939, 3815]. **Unconditional**
[1535, 1739, 1887, 1945, 2151, 2388, 2838, 2859, 3006, 3446, 3594]. **Unconditionally** [691, 851, 1239, 1431, 1560, 1714, 1740, 1769, 1770, 1791, 1879, 2070, 2135, 2227, 2361, 2474, 2512, 2780, 2829, 2927, 3013, 3052, 3056, 3115, 3201, 3417, 3451, 3512, 3522, 3615, 3618, 3652, 3723, 3750, 3871, 3882, 4002, 4011]. **Unconditioned** [3199]. **Unconstrained** [807, 1619]. **Under-Expanded**
[1722]. **Under-Sampled** [3181]. **Underdetermined** [2931]. **Underlying**
[269, 759]. **Undersampled** [1589]. **Understanding** [386, 3436]. **Unequal**
[3361]. **Unequal-Size** [3361]. **Unfitted**
[2854, 2977, 3097, 3150, 3168, 3364, 3437, 3566, 3648, 3691, 3730]. **unforced**

[120]. **Uniaxial** [1456]. **Unidirectional** [1319]. **Unified** [602, 730, 858, 892, 915, 1353, 1581, 2163, 2949, 3090, 3310, 3600, 3630, 3634, 3673, 3875, 4035, 4052]. **Uniform** [176, 403, 606, 889, 941, 1039, 1244, 1302, 1338, 1453, 1474, 1558, 1747, 1760, 1811, 1819, 1858, 1997, 2028, 2029, 2059, 2071, 2410, 2553, 2577, 2663, 2714, 2715, 2954, 3022, 3095, 3406, 3493, 3515, 3692, 3820, 3921, 4068]. **Uniformly** [766, 1853, 2387, 2734, 3234]. **Unifying** [3265]. **Unilateral** [1454, 2743, 3548, 3565]. **Uniquely** [2178, 2723, 3615]. **Uniqueness** [3832]. **Unisolvence** [3495]. **Unisolvency** [3231]. **Unit** [2975, 3369]. **Unity** [1296, 1433, 1482, 1617, 2088, 2340, 2657, 3806]. **Univariate** [2934]. **Universal** [3166, 3674]. **Unknown** [2397]. **Unmodified** [2107]. **Unrestricted** [1147]. **Unsplit** [782]. **Unsteady** [34, 224, 281, 328, 345, 558, 1236, 1608, 1932, 2457, 2615, 2730, 3762, 3999, 4039]. **Unsteady-State** [4039]. **Unstructured** [208, 298, 404, 414, 540, 630, 730, 758, 906, 1027, 1062, 1119, 1131, 1197, 1208, 1336, 1525, 1578, 1674, 1675, 1745, 1843, 1858, 2104, 2180, 2368, 2525, 2580, 2706, 2871, 2889, 2993, 3053, 3242, 3525]. **Unstructured-Mesh** [1062]. **Unsupervised** [3291]. **Unsymmetric** [18]. **Update** [332, 523, 1872]. **Updating** [2001, 2931, 3484]. **upon** [2724]. **Upper** [1217, 1249, 1357, 3308]. **Upscaled** [2250]. **Upwind** [118, 347, 433, 536, 848, 941, 956, 1025, 1105, 1661, 1693, 2199, 2308, 2469, 2610, 2765, 2865, 2970, 3113, 3174, 3250, 3490, 3544, 3596, 3652, 3698, 3945]. **Upwind-Biased** [2308, 2610, 3113, 3174, 3490]. **Upwind-Difference** [1105]. **Upwind-SAV** [3698]. **URV** [3271]. **Use** [133, 220, 547, 702, 1657, 1694]. **Using** [205, 241, 259, 276, 326, 377, 383, 523, 535, 558, 559, 629, 667, 694, 695, 706, 751, 763, 792, 796, 821, 843, 847, 848, 867, 884, 908, 923, 942, 944, 994, 1004, 1005, 1020, 1080, 1095, 1117, 1123, 1127, 1140, 1245, 1284, 1307, 1338, 1405, 1458, 1462, 1467, 1557, 1559, 1572, 1589, 1660, 1775, 1795, 1819, 1848, 1895, 1917, 1967, 2017, 2053, 2089, 2146, 2248, 2260, 2264, 2265, 2292, 2314, 2342, 2435, 2450, 2480, 2484, 2494, 2735, 2773, 2831, 2858, 2891, 2932, 3018, 3051, 3053, 3124, 3179, 3197, 3324, 3384, 3440, 3504, 3505, 3563, 3583, 3642, 3670, 3733, 3734, 3764, 3797, 3897, 3912, 4045]. **Using** [36, 117, 162, 173, 277, 346, 461, 681, 704, 823, 1023, 1185, 1215, 1391, 1442, 1483, 1594, 1705, 1755, 1767, 1783, 1845, 1976, 1990, 2039, 2109, 2121, 2194, 2362, 2487, 2511, 2573, 2622, 2763, 2819, 2993, 3030, 3074, 3086, 3109, 3142, 3305, 3310, 3549, 3620, 3760, 4026]. **Utility** [2742]. **Uzawa** [143, 313, 509, 1200, 1226].

**V** [2281]. **V-cycle** [2281]. **Vacuum** [2869]. **Validation** [1777, 2002]. **Value** [28, 106, 144, 185, 198, 222, 297, 317, 440, 500, 503, 723, 762, 833, 895, 1051, 1093, 1302, 1313, 1346, 1457, 1513, 1538, 1623, 1749, 1753, 1790, 1817, 1913, 1934, 2034, 2111, 2119, 2125, 2352, 2558, 2696, 2697, 2767, 2925, 3176, 3185, 3330, 3379, 3407, 3656, 3672, 3717, 3734, 3830, 3892]. **Valued** [95, 589, 644, 685, 870, 1394, 2182, 2732]. **Values** [88, 1743, 3411]. **van-der-Waals** [953]. **Vanilla** [4041]. **Vanishing** [539, 731, 1747, 2531]. **Variable** [110, 283, 370, 590, 626, 791, 987, 1038, 1042, 1239, 1269, 1350, 1370, 1544, 1842,

2075, 2100, 2133, 2141, 2283, 2308, 2349, 2376, 2603, 2610, 2698, 2735, 2767, 2799, 2858, 2893, 3020, 3057, 3104, 3156, 3158, 3233, 3246, 3328, 3333, 3415, 3453, 3487, 3522, 3558, 3603, 3618, 3639, 3677, 3691, 3729, 3778, 3799, 3898, 3911, 4011]. **Variable-Coefficient** [987, 1239]. **Variable-Flux** [2603]. **Variable-Order** [2767, 3156, 3158, 3333, 3558, 3603, 3639, 3677, 3799]. **Variable-Time-Step** [3778]. **Variables** [1323, 2169, 2599]. **Variably** [2340, 2863, 3333]. **Variance** [2260, 2963, 3399, 3588, 3987, 4003]. **Variance-Based** [2963]. **Variant** [905, 2424, 2885, 3441]. **Variants** [2117, 2753]. **Variation** [397, 525, 639, 650, 986, 1252, 1290, 1364, 1570, 1637, 1786, 1851, 2114, 2292, 2480, 2532, 2575, 2731, 2844, 3134, 3291, 3350, 3376, 3569, 3819, 3850, 3988]. **Variation-Based** [1252]. **Variational** [273, 726, 826, 847, 1056, 1266, 1270, 1327, 1335, 1613, 1660, 1676, 1703, 1816, 1960, 2283, 2309, 2315, 2351, 2390, 2431, 2462, 2569, 2690, 2699, 2807, 2902, 2937, 2963, 2968, 3015, 3072, 3076, 3148, 3160, 3161, 3278, 3343, 3564, 3622, 3650, 3742, 3806, 3887, 3951, 3981, 4004, 4027, 4033]. **Variational-Hemivariational** [3622]. **Variations** [1070, 1765]. **Various** [3557]. **Varying** [560, 609, 1156, 2230]. **Vector** [870, 888, 930, 1394, 1432, 2182, 2183, 2753, 2916, 3871]. **Vector-Valued** [870, 2182]. **Vectorial** [3569]. **Vectors** [1157]. **Velocity** [247, 313, 702, 934, 1019, 1052, 1174, 1652, 2109, 2161, 2217, 2436, 3198, 3225, 3264, 3529, 3540, 3865, 3971]. **Velocity-Based** [3264]. **VEM** [3375]. **Venant** [1409]. **Verifiability** [3343]. **Verifying** [3419]. **Versatile** [3951]. **Version** [500, 608, 808, 1155, 1491, 1870, 1999, 2453, 2531, 3313]. **Versions** [2253]. **Versus** [399, 1079, 2415, 2679, 3259]. **Vertex** [1809]. **Vertex-Centered** [1809]. **Very** [93, 142, 1843, 3936, 3954]. **Vesicle** [3455]. **VI** [3650]. **VI-DGP** [3650]. **Via** [42, 117, 554, 594, 686, 725, 793, 813, 814, 1049, 1087, 1115, 1118, 1120, 1186, 1212, 1269, 1297, 1420, 1470, 1523, 1570, 1611, 1669, 1735, 1820, 1973, 1986, 2004, 2195, 2340, 2410, 2425, 2427, 2498, 2578, 2581, 2588, 2634, 2785, 2863, 2904, 2921, 2922, 2946, 2961, 2990, 3014, 3035, 3043, 3062, 3120, 3131, 3189, 3204, 3205, 3298, 3319, 3336, 3338, 3395, 3483, 3503, 3550, 3616, 3625, 3637, 3660, 3678, 3680, 3683, 3747, 3863, 3885, 3949, 3955, 3976, 4006, 4014, 4065]. **Vibration** [1548]. **Video** [3377]. **VIEs** [3513]. **View** [1581, 3436, 3559]. **Violating** [581]. **Virtual** [2126, 2253, 2264, 2265, 2289, 2390, 2482, 2517, 2534, 2646, 2673, 2701, 2741, 2864, 2882, 2951, 3055, 3094, 3125, 3244, 3249, 3273, 3301, 3321, 3432, 3448, 3518, 3566, 3622, 3688, 3697, 3732, 3748, 3749, 3757, 3764, 3804, 3866, 3888, 3925, 3980, 3993, 4040, 4047, 4061]. **Virus** [1930]. **Viscoelastic** [312, 313, 352, 531, 676, 2299, 2342, 3507]. **Viscosities** [2363, 4029]. **Viscosity** [112, 142, 145, 151, 390, 539, 818, 880, 943, 961, 965, 1531, 2290, 2300, 2413, 2668, 2719, 2868, 3255, 3390, 3406, 3699, 3857, 3961]. **Viscosity-Independent** [2413]. **Viscous** [3, 48, 50, 156, 224, 281, 309, 355, 602, 667, 671, 676, 790, 903, 938, 1078, 1336, 1712, 1715, 1718, 1788, 1961, 2122, 2338, 2487, 2691, 3400, 3501, 3552, 3823]. **Visibility** [684, 2544]. **Visualization** [359]. **Visualizing** [3660]. **Vlasov** [280, 1181, 1733, 1806, 1947, 1951, 2189, 2359, 2364, 2849, 3552, 3842, 4020]. **VMiPG** [4028]. **Void** [720, 1569]. **Voigt** [3279]. **Volatility** [824, 3758]. **Voltage** [3110]. **Volterra** [1091, 1104, 1491, 1572, 1618, 1709, 1790, 1870, 2069,

2101, 2277, 2384, 2434, 2527, 2531, 2592, 2663, 2867, 3476, 3911]. **Volume** [287, 389, 404, 433, 488, 511, 527, 587, 657, 666, 700, 790, 800, 834, 905, 907, 936, 949, 1040, 1064, 1102, 1192, 1238, 1259, 1311, 1332, 1424, 1464, 1502, 1525, 1537, 1587, 1593, 1597, 1605, 1645, 1647, 1651, 1674, 1675, 1688, 1695, 1783, 1796, 1843, 1861, 1862, 1889, 1900, 1920, 1946, 1978, 1983, 2028, 2032, 2068, 2104, 2143, 2199, 2213, 2259, 2335, 2429, 2557, 2570, 2627, 2642, 2668, 2698, 2706, 2778, 2850, 2877, 2879, 2889, 2911, 2923, 2993, 3004, 3066, 3091, 3175, 3242, 3293, 3400, 3424, 3494, 3525, 3586, 3593, 3617, 3630, 3728, 3742, 3745, 3789, 3794, 3825, 3836, 3937, 3974, 3979, 4055]. **Volume** [60, 96, 190, 893, 1740, 1952, 2817]. **Volume-Augmented** [1102]. **Volume-Complete** [893]. **Volume-Measure-Preserving** [2923]. **Volume-Preserving** [389]. **Volume/Finite** [190, 4056]. **Volumetric** [2774]. **Voronoi** [843, 1390]. **Vortex** [59, 311, 388, 458, 2064]. **Vortical** [2506]. **Vortices** [393]. **Vorticity** [934, 1019, 1052, 1803, 1854, 1909, 2240, 2436, 2490, 3540, 3823]. **Vorticity-Stream** [1909, 2490]. **Vries** [1633, 1927, 1974, 3213, 3386, 3989]. **vs** [182, 357].

**W** [2263]. **Waals** [953]. **WAF** [701]. **Walks** [3726]. **Wall** [597, 1229, 1469, 2642, 3259, 3994, 4059]. **Wall-Bounded** [3994]. **Wang** [1916]. **Wasserstein** [2444, 3716]. **Waste** [1862]. **Water** [439, 446, 447, 527, 552, 618, 701, 777, 818, 829, 849, 928, 936–938, 943, 947, 950, 954, 957, 985, 1033, 1156, 1179, 1197, 1384, 1409, 1593, 1629, 1670, 1679, 1823, 1830, 1912, 1929, 2100, 2339, 2407, 2525, 2632, 2657, 2719, 2737, 2839, 2850, 2876, 2903, 2930, 3014, 3057, 3211, 3250, 3264, 3287, 3289, 3345, 3498, 3711, 3756, 3773, 3782, 3931]. **Wave** [29, 219, 239, 257, 282, 339, 366, 369, 399, 486, 487, 504, 516, 543, 624, 637, 651, 658, 685, 774, 799, 936, 948, 973, 977, 1044, 1077, 1157, 1184, 1245, 1265, 1268, 1321, 1335, 1380, 1429, 1447, 1487, 1512, 1576, 1629, 1666, 1702, 1770, 1798, 1813, 1822, 1880, 1881, 1891, 1958, 1965, 2003, 2004, 2017, 2133, 2140, 2154, 2179, 2180, 2193, 2225, 2242, 2254, 2261, 2274, 2336, 2414, 2418, 2492, 2533, 2554, 2598, 2616, 2633, 2655, 2704, 2836, 2854, 2858, 2875, 2944, 2946, 2965, 3025, 3055, 3155, 3172, 3253, 3269, 3306, 3342, 3501, 3541, 3692, 3721, 3743, 3753, 3756, 3832, 3843, 3941, 3966]. **Wave** [102, 113, 161, 246, 1477, 1754, 2208, 2382, 2600, 2808, 2859, 3154, 3323, 3453, 3949, 4021]. **Wave-Type** [2600]. **Wavefield** [3229]. **Waveform** [399, 1877, 2651, 3608, 3879]. **Waveguides** [1103, 3687]. **Wavelength** [275]. **Wavelet** [132, 221, 303, 323, 407, 409, 497, 585, 586, 639, 823, 1008, 1088, 1120, 1121, 1216, 1395, 1523, 2060]. **Wavelet-Based** [1008]. **Wavelets** [241, 2763, 3784]. **Wavenumber** [191, 1822, 3397, 3771]. **Waves** [59, 275, 393, 457, 501, 518, 660, 818, 823, 837, 942, 994, 1062, 1150, 1253, 1912, 2054, 2339, 2526, 2736, 2936]. **Wavy** [2642]. **Wavy-Wall** [2642]. **Way** [2336, 3316]. **Weak** [362, 857, 858, 961, 994, 1187, 1273, 1274, 1304, 1317, 1383, 1442, 1475, 1524, 1673, 1797, 1805, 1826, 1885, 2012, 2062, 2152, 2195, 2287, 2289, 2357, 2536, 2553, 2734, 2745, 2781, 2924, 3259, 3308, 3403, 3470, 3661, 3692, 3767, 3846, 3897, 3971]. **Weakly** [41, 767, 794, 818, 916, 1237, 1267, 1410, 1435, 1530, 1572, 1709, 1724,

1870, 1987, 2069, 2238, 2434, 2483, 2527, 2592, 2663, 2764, 3170, 3180, 3513, 3624, 3628, 3911, 3923, 3931, 4043]. **Weakly-Intrusive** [1530]. **Weight** [2275]. **Weighted** [580, 732, 928, 1028, 1030, 1077, 1320, 1448, 1575, 1584, 1587, 1594, 1689, 1726, 1811, 1847, 1884, 1886, 1944, 1979, 2056, 2098, 2455, 2478, 2604, 2747, 2990, 2997, 3031, 3561, 3716, 3806, 3814, 3865, 3880]. **Weighting** [1115]. **Weights** [258, 1248, 1314, 1584, 2046, 2497, 3987]. **Well** [87, 99, 548, 936, 948, 952, 957, 998, 1033, 1102, 1133, 1179, 1197, 1409, 1558, 1592, 1597, 1621, 1804, 1830, 1832, 1993, 2525, 2557, 2632, 2737, 2739, 2799, 2839, 2879, 2903, 2930, 2964, 3014, 3057, 3250, 3264, 3289, 3544, 3658, 3745, 3884, 3998]. **Well-Balanced** [548, 936, 948, 952, 957, 1033, 1102, 1133, 1179, 1197, 1409, 1558, 1592, 1597, 1621, 1830, 1832, 2525, 2557, 2632, 2737, 2839, 2879, 2903, 2930, 2964, 3057, 3250, 3264, 3289, 3544, 3745, 3884, 3998]. **Well-Balancing** [3014]. **Well-conditioned** [998]. **Well-Posedness** [87, 99, 2739, 2799, 3658]. **Weller** [1980, 2055]. **Wendroff** [603, 926, 928, 1472, 1759, 1792, 1799, 2563, 2747, 3469, 3812]. **Wendroff-Type** [1799]. **WENO** [287, 318, 391, 533, 548, 565, 610, 623, 656, 758, 833, 890, 907, 921, 923, 925, 1033, 1083, 1131, 1133, 1150, 1160, 1198, 1208, 1314, 1332, 1385, 1404, 1438, 1464, 1525, 1539, 1543, 1616, 1622, 1627, 1632, 1722, 1758, 1794, 1839, 1883, 1928, 1938, 1952, 1981, 2016, 2103, 2275, 2469, 2497, 2514, 2543, 2593, 2612, 2626, 2644, 2649, 2746, 2827, 2866, 2879, 2912, 2954, 3005, 3027, 3053, 3153, 3210, 3292, 3324, 3349, 3361, 3391, 3494, 3593, 3642, 3817, 3821, 3848, 3851, 3876, 3945, 3957, 3964, 4052]. **WENO-Z** [2103]. **WENO3** [1651, 2221]. **WENO5** [2688]. **Wet** [1179, 2737, 3014, 3289]. **Wet/Dry** [1179, 3014]. **Wetting** [985, 2518]. **WG** [3966]. **Where** [3266]. **Whitham** [721]. **Whole** [3213, 3269]. **Wide** [2327, 2749]. **Width** [1156]. **Wiener** [546]. **Wigner** [2024, 2341, 2696, 3908]. **Willmore** [780, 2147]. **Wilson** [2860]. **Wind** [1278, 1699]. **Wind-Driven** [1699]. **Wise** [209, 1262, 1992, 2879]. **Within** [586]. **Without** [340, 502, 755, 1065, 1277, 1463, 1684, 2177, 2197, 2284, 2354, 2364, 2442, 2555, 2951, 3149, 3311, 3334, 3336, 3523, 3674, 3907, 4036]. **WKB** [779, 2600]. **Wolf** [3288]. **Work** [2489]. **Wormhole** [2000, 2562, 2960]. **Worsey** [3496]. **WSGD** [2162, 3199]. **WSGD-OSC** [2162].

**X** [1053, 1120, 1569]. **X-HDG** [1569]. **X-Ray** [1120]. **XFEM** [2262]. **XFEM/Level** [2262]. **Xu** [2843].

**Yawed** [337]. **Yee** [750]. **Yield** [2236]. **Yuan** [3041].

**Z** [2103]. **Zabolotskaya** [1922]. **Zakharov** [507, 1271, 3408]. **Zenith** [806]. **Zero** [2576]. **Zero-Index** [2576]. **Zeroes** [218]. **Zonal** [36, 1822]. **Zone** [521, 1157]. **Zones** [142, 3548]. **ZQ** [2644].

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