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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].  $\text{Div}(Y) = f$  [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].  $\text{EQ}_1^{\text{rot}}$  [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].  $H(\text{curl})$  [3703].



$H(\text{div})$  [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].  $L_1$  [3824].  $L_2$  [3827].  $L_2 - 1_\sigma$  [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].  $\mathbf{L}^2(\Gamma)$  [3147].  $\mathcal{H}$  [1476, 2302].  $\mathcal{L}_\epsilon$  [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].  $\text{SC}^1$  [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].

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**2** [1400]. **2D**

[2106, 2134, 2319, 3068, 3132, 3186, 3274, 3518, 3538, 3767, 3866, 3869, 3932].

**2D/3D** [3068]. **2nd** [3303]. **2nd-MGFM** [3303].

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**A-Posteriori** [778]. **AAA** [3118]. **Abarbanel** [2488, 2489]. **Abel** [4015].

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[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].

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**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**

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[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,



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**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]. **Discontinuous** [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].

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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].

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**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].

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 [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].

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[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].

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[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,

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 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].



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**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,



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**Abgrall:2011:P**

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