

A Bibliography of Publications about the Google PageRank Algorithm

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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Title word cross-reference

0 [Sob03]. 2.7 [Mol02]. **\$25** [BL06b]. α [CTWZ09]. C^3 [PPM⁺17]. k [GPC08, SYJ⁺19]. M [HM15]. N [ZQL⁺07]. r [XZ09]. T [AGN06]. $\tilde{O}(\min d_t, \sqrt{m})$ [WW23].

-index [PPM⁺17]. **-PageRank** [AGN06]. **-sensitivity** [CTWZ09]. **-splitting** [HM15]. **-step** [ZQL⁺07].

/ACM [Z⁺04]. **/WIC** [L⁺03].

'06 [BZ06, IEE06g, IEE06e, N⁺06]. **'07** [IEE07i, IEE07b]. **'08** [IEE08c, M⁺08].

1 [IT08a]. **11-12** [BC07]. **11th** [Ano02, BMY05]. **12th** [FYZ06, IEE03]. **14th** [IEE06f, IEE05a]. **18th** [TW07, Bar04]. **1st** [IEE07d].

2 [IT08b]. **2001** [ACM01, Bah01, C⁺01]. **2002** [Ano02, W⁺02]. **2003** [C⁺03, H⁺03, HW03, Tom03, YS⁺03]. **2005** [NND⁺05]. **2006** [IEE06a, IEE06h, IEE06c, IEE06b, N⁺06, ZL06]. **2007** [IEE07h, IEE07a, N⁺07, TW07]. **2008** [IEE08b, LL08]. **2009** [Soh09]. **21st** [IEE07g, IEE07b]. **22nd** [BZ06]. **24th** [C⁺01]. **25th** [IEE05b]. **27** [WW08]. **29th** [LS07]. **2nd** [Gho04, WHS⁺06, IEE07c].

3rd [FG07, WHS⁺06].

47th [IEE06d, IEE08a]. **4th** [yCCZ07].

5th [BC07].

6th [ADL09, Per06].

7th [MPW⁺07].

8th [FG07, WHS⁺06].

9th [IEE07e, IEE06e].

A-PageRank [ZbXF08]. **academic** [MD19, ZMW⁺18]. **Accelerated** [ZW25, JWSG22, LLPC23, McS05, SSCW22, YYN12, ZHWS16]. **Accelerating** [KHMGO3b, MT20, WZW13]. **Acceleration** [DSD09, GCF⁺20, BK13, BRZ06, Zho12]. **accelerator** [YXC⁺11]. **Access** [GRP07]. **accuracy** [ZFCY13]. **accuracy-aware** [ZFCY13]. **ACIS** [FG07]. **ACM** [ACM08, C⁺01, LL08, L⁺07, N⁺06, Sko05, Z⁺04]. **ACM-SIAM** [ACM08]. **ACP** [SLF⁺11]. **Acquisition** [M⁺05]. **acting** [Dje07]. **activity** [WB09]. **Ad** [Mas07]. **adaptable** [TZ03]. **Adapted** [ATV16, BS23]. **Adaptive** [DMM⁺08, KHG04b, KHG04a, NP09a, PT08, PCD15, RM06, WHY⁺21]. **adaptively** [WHS23, YYN12]. **ADCOM** [IEE06f]. **Adding** [YLL05]. **Address** [CG15]. **Advanced** [Bar04, Cli10, IEE06f, IEE06j, IEE07b, OBB07, DWH⁺15]. **advances** [AB14, Per06, Yu09]. **Advertising** [ZWXZ12]. **Age** [Dje07]. **Aggregating** [AB06]. **Aggregation** [DMM⁺08, BLMP04, BLMP06, ITBD09, ITB10, LM04b, ZYL05]. **aggregation-disaggregation** [ZYL05]. **AINA** [Bar04, IEE07b]. **Aizu** [MPW⁺07]. **Aizu-Wakamatsu** [MPW⁺07]. **Algebra** [BL06b, KBK05, MOG06]. **Algorithm** [BYG07, BB12, CGW09, CXLH10, Chu09, EKV22, GZ08, HQYfz06, IK05, JZM⁺09, KL02, DLS08, LY08, LYX12, MCW10, PMKY23, PHW10, QJT07, QX10, Reb12b, RM05, SP20, TP08, WZM10, WWJ12,

WZW13, XG04, YWX⁺07, ZXZ11, ZL08, ZZB09, AOTV12, AC07, Aug08, BK13, Ber06, CKS11, CXMR07, DWH⁺15, GWR09, GG06, GP07b, GW17, GJSC18, GLC22, Hav03, HWH⁺21, HGW24, IR04, IK06, JW10, JWSG22, LGZ07, Lev10, LJR09, LG10, MR05, MS05, MBM09, MRS⁺01, Miy18, NP09a, NP09b, NP09c, PT08, PWZW15, SLF⁺11, SW06, TZ03, TVY21, WB09, WHY⁺21, WW07, WW10a, YC05, YH09b, ZZL08, ZXLL10, ZjRZ⁺10, ZTYZ23, ATV16, BS23]. **Algorithm-Based** [SP20]. **algorithm** [RSA09a]. **Algorithmic** [VS19b]. **algorithmics** [DHX09]. **Algorithms** [ACM08, ANTT02, IT10, Mac12, ME11, Naz10, WYW⁺19, WZW10, ZW25, AMM14, BYBC06, BFS03, CTX11, FRCS05, GPC08, HCWW21, HCH07b, HCH07a, ITB10, Kam10, MP18, NZJ01, TLD22, A⁺08, ADL09, BC07, Leo04]. **Allocation** [CHH12]. **alpha** [CG10]. **ALPIT** [OBB07]. **AMD** [WWS⁺10]. **American** [Leo41]. **among** [ALP07]. **Amy** [Dje07, Kap08]. **Anal** [WW08]. **Analgesics** [YWX⁺07]. **analitico** [Tud08]. **Analysis** [AKL18, CC07, DZH⁺04, DLL12, IO18, IK05, JZM⁺09, NNH⁺07, Pre02, WZW10, BDR09, CTW⁺02, CSC10, DN11, DHH⁺02, DHH⁺03, EV07, HCW⁺07, IR04, IK06, IW06, KCN07, KBK05, Leo41, LLVX20, LM05c, MGZ08, MK19, MBHG05, NZJ01, RR17, SBC⁺06, YJZZ23]. **analytic** [Tud08]. **analytical** [HKJ03]. **Analytics** [Cli10, LTT10]. **anatomy** [BP98, BP12]. **Anderson** [LLPC23]. **Angeles** [IEE09b]. **Annual** [ACM08, C⁺01, Gho04, IEE06d]. **Appl** [WW08]. **Application** [BGJ06, DMM⁺08, HGW24, WZM10, YZZZ08, ZYY07, Leo41, MTF04, NP09a, NP09b, NP09c, Naz10]. **Applications** [Bar04, BGH⁺04, H⁺05b, H⁺03, IEE04, IEE07b, IEE07a, IEE07i, TW07, TFP06, yCCZ07, Per06, Sid08, Wu08]. **Applied** [D⁺07, Reb12a]. **Apply** [LY08]. **Applying**

[Din11a, JZM⁺09, JB08a]. **appraisal** [SLF⁺11]. **Approach** [GZB04, Guo07, KK06, hLqL07, MRM07, PKLK09, WL07, AM21, AT10, ALP08, BDR10, CCLL14a, DPSK06, FBFM07, IR04, IT08a, IT08b, McS05, Naz10, OTM03, PGRC18a, PCD15, TD11, YJZZ23, ZSZ05, ZSW06]. **approaches** [HKJ03]. **Approximate** [WYW⁺19, GMS05, PCD⁺08, WTX⁺16, WWZ19]. **Approximating** [FBFM08, GP06, GP07a, ME11]. **Approximation** [LL24, BYM08a, BYM08b, BCS05, BRZ06, BLMP04, BLMP06, PDMW06, PCD⁺08, ZFCY13, ZFCY15]. **approximations** [MBDC15]. **April** [BZ06, IEE06a, IEE06h, IEE08b, IEE09b]. **Architectural** [TP08]. **architecture** [MGM08a]. **Arizona** [Bah01]. **Arnoldi** [GG06, GW17, HWH⁺21, JW10, LEA15, MT20, WHY⁺21, WW07, WW10a, WW10b, WZW13, YYN12]. **Arnoldi-extrapolation** [WW10a]. **Arnoldi-Type** [WZW13, GG06]. **arrangements** [HMC12]. **art** [HCH07b, HCH07a]. **article** [Lin08]. **Articles** [DS05]. **Artificial** [FG07]. **Aruba** [IEE06b]. **ASCOS** [CG15]. **Assembling** [FG07]. **Associated** [YH09a]. **Association** [SWT08]. **ASWEC** [IEE06a]. **Asymmetric** [CG15]. **asymptotics** [BOC22]. **Asynchronous** [KG07]. **Atlanta** [BZ06, ZL06]. **atoms** [HMC12]. **attachment** [BOC22, PWZW15]. **Attention** [IS08, SHH07, IS07]. **attractors** [SZ10]. **Attributes** [MYWL04]. **audio** [TMPP05]. **Aug** [IEE09a]. **August** [D⁺07, FG07, IEE07f, IEE08c, LYZ07, OBB07, Yu09]. **Australia** [H⁺05b, IEE06a]. **Australian** [IEE06a]. **Author** [NCJ15, Din11a, Din11b, FSZB15, PPM⁺17]. **Authoritative** [HLF10]. **Authorities** [DZH⁺04, CON03]. **Authority** [BHP04, FLM⁺05, HHP08, MH05, ZSZ05]. **Authority-based** [BHP04, HHP08]. **AuthorRank** [ABS21]. **Authors** [ZOZG07, BDR10, DYFC09]. **Automated** [NND⁺05, SPLW17]. **Automatic** [CS06, DS23, ZGC18]. **Automation** [IEE06e, IEE06k]. **autonomic** [IEE06f]. **award** [FT17]. **award-winning** [FT17]. **Aware** [DMS06, Fia12, ZFCY13]. **axiomatic** [AT10]. **axioms** [Alt04, Alt05, AT05].

BA [GZ08]. **backtracking** [AHN19, ZW25]. **BadRank** [KP09]. **Balanced** [QX10]. **Banff** [A⁺08]. **Bangalore** [IEE07c]. **Bangkok** [IEE06g]. **Barcelona** [ADL09]. **Barr** [Dje07]. **Based** [BIG13, CATC11, CGW09, GCF⁺20, GRP07, GZ08, HLF10, HQYfZ06, IEE05a, JZ07, KYO⁺06, LKL06, LLWH07, LWZX08, LCY09, LYX12, MCW10, NNH⁺07, PMKY23, QX10, Rad06, RM05, SP20, WPZ08, WQZD25, ZL08, ZbXF08, ZLL⁺21, AOTV12, ATV16, AB06, ADN⁺08, BYBC06, BHP04, BDR09, CKS11, CCLL14b, CTWZ09, CXLH10, CTX11, DS23, Din11b, DWH⁺15, EV05, EV07, FSZB15, FT17, GWR09, GP07b, Guo20, HHP08, HM15, HCH07b, HCH07a, ITBD09, ITB10, KL07, LSXL17a, LSXL17b, LJR09, LYLz23, MR05, MP18, Miy18, NCJ15, PCD15, PPM⁺17, RCM17, SPLW17, SLF⁺11, SHH07, TLZ⁺19, TVY21, WB09, WLW07, WWG⁺22, WKK⁺12, YXC⁺11, Yan14, YJZZ23, YC05, YWX⁺07, YZC⁺19, ZSZ05, ZZL08, ZXLL10, ZjRZ⁺10, ZLC⁺22, ZYL05, CNP07, ZFCY15]. **BC** [IEE06c, LL08]. **Beach** [IEE06b, IEE07g]. **behavior** [OC21]. **Behaviors** [XLC20, ZZZL06]. **behind** [BL06b, VLD07, Wil06]. **Beijing** [FYZ06, IEE07f, Z⁺04]. **Belief** [QX10]. **Berkeley** [IEE06d]. **Best** [Pit19, BSV04]. **between** [BGH⁺04, LSV08]. **Beyond** [Dje07, Gle15, Kap08, RPB06, LM06b]. **Bialystok** [IEE06i]. **Bias** [Col02]. **Biased** [BPSV08, BPSV07, KCN07]. **biasing** [RPM07]. **bibliographic** [FRJ08, Fia12].

bibliometric [AB14]. **bibliometrics** [Wei05]. **Bibliomics** [YWX⁺07]. **Bibliomics-based** [YWX⁺07]. **BIC** [IEE07a]. **BIC-TA** [IEE07a]. **Bidirectional** [LL24]. **big** [DIL⁺19]. **bilingual** [LG10]. **billion** [Mol02]. **billionaire** [Low09]. **billions** [KYK09]. **Bio** [D⁺07, IEE07a]. **Bio-Inspired** [IEE07a]. **Biography** [Ano04]. **Bioinformatics** [D⁺07, IEE07d]. **Biomedical** [IEE07d, Lin08]. **biotechnological** [RR17]. **Bipartite** [Bau08]. **BIRD** [LL24]. **block** [CZR20, DN11, JW10, KHM03a, SHL⁺25]. **Blocking** [EKU22]. **Book** [Dje07, Kap08, Lev11a]. **Bookmark** [Ber06]. **Bookmark-coloring** [Ber06]. **BookRank** [Men09]. **boost** [DSZ07]. **Boosting** [ZLL⁺21]. **bound** [Guo20, LLVX20]. **Bounds** [ASH07b, FRCS05]. **boys** [Ano04]. **Brif** [Rob19, Rho10]. **Brin** [Low09]. **Bringing** [MGZ08, PBMW98, PBMW99, XLC20]. **Broken** [Dje07]. **BrowseRank** [LGL⁺08]. **Brunswick** [Gho04]. **BSN** [WHS⁺06]. **BUBiNG** [BMSV18]. **Budapest** [HW03, Tom03]. **Building** [KK06, CGL⁺23]. **burglary** [ZLC⁺22]. **Business** [WHS⁺06].

CA [ACM08, Bar03, BC07]. **calculating** [Ped07]. **Calculation** [KT08]. **California** [IEE07g, IEE09b, IEE06d, WHS⁺06]. **Campus** [KK06]. **Canada** [A⁺08, IEE06c, IEE07b, LL08, L⁺03]. **cancer** [WKK⁺12]. **Cancun** [IEE08a]. **Candidate** [WZP⁺14]. **canonical** [SC05, WW08, Wu08]. **Capizzano** [WW08]. **Carl** [Kap08]. **Carlo** [ALNO07, Lof14]. **case** [FF07, YLL05]. **cases** [ZLC⁺22]. **Cataloging** [Men09]. **categorization** [NMP03]. **cautious** [NWD07]. **Cavtat** [LS07]. **Cavtat/Dubrovnik** [LS07]. **CCGrid** [TLC06]. **CDC** [IEE08a]. **CEC** [WHS⁺06]. **CEC/EEE** [WHS⁺06]. **Center** [Bah01, FG07]. **centered** [OTM03].

Centralities [PKDM21]. **centrality** [ATV16, BS23]. **Centre** [IEE06c]. **centric** [IR04]. **chain** [Mas05]. **Chains** [DMM⁺08, LM05b, LM06a]. **change** [Suz04]. **Changed** [Mac12]. **changes** [MP07]. **Chania** [IEE07e]. **channel** [NND⁺05]. **channels** [ITB10]. **chaos** [CG07]. **Characterization** [LSVZ09]. **characterize** [PRU02, PRU06]. **Characterizing** [MRM07]. **Chebyshev** [BK13, JWSG22, MT20]. **Chief** [Dou07]. **China** [yCCZ07, DHX09, IEE07h, IEE07a, IEE08b, M⁺08, Yu09, Z⁺04, FYZ06, FG07, IEE05c, IEE06k, IEE07d, IEE07f, LYZ07, N⁺06, OBB07]. **Chinese** [M⁺05, LCY09]. **choice** [Kru01]. **choosing** [ALP08]. **CIT** [J⁺06, MPW⁺07]. **Citation** [PBMW98, PBMW99, BDR09, CCLL14a, DYFC09, Din11a, FSZB15, MGZ08, MD19, NJFD14]. **citation-based** [BDR09]. **citations** [FT17]. **City** [MPW⁺07]. **Classification** [hLqL07]. **Cleve** [Mol02]. **clicks** [CKS11]. **cloud** [LFL⁺15]. **Cluster** [KL07, TLC06, MR04, PDSR05]. **clustered** [PDSR05]. **Clustering** [AKL18, HCW⁺07, VS19a, ADN⁺08, RCM17]. **Co** [ZOZG07, DYFC09]. **co-citation** [DYFC09]. **Co-ranking** [ZOZG07]. **cocitation** [Din11b]. **code** [MPG⁺13]. **CodeRank** [NIC06]. **Cognitive** [MK19]. **Collaborative** [IEE07i, YZZZ08]. **collections** [ADN⁺08, CNP07, ILLS09]. **Collective** [ZMW⁺18]. **College** [Col02]. **Colley** [Col02]. **colluders** [Mas05]. **coloring** [Ber06]. **Columbus** [IEE05b]. **Combating** [GGMP04]. **combined** [BDR10]. **Combining** [Guo07]. **Comments** [WW08]. **Commerce** [WHS⁺06]. **commodity** [CHH12]. **Communication** [BGJ06, Gho04, IEE07c]. **Communications** [D⁺07, IEE06f, IEE07i, IEE06g]. **communities** [BGS03, DD06]. **compare** [NZT07]. **Comparison** [DGR05a, DGR07, HKJ03]. **Compiègne**

[Sko05]. **complex**
[CXLH10, GPR13, Wu08, XZ09].
complexes [PWZW15]. **Complexity**
[LY08, Lof14]. **components** [ALP07].
comprehensive [CCLL14b]. **compression**
[SHL⁺25]. **computable** [ABC⁺08a].
Computation
[ANTT02, ALNO07, CATC11, IS08, IT10,
KL02, LEA15, MG10, MV18, Mol02,
RPM07, SYSB03, WA05, WWS⁺10, AG04,
ABC⁺07, ABC⁺08b, BRZ06, yCCZ07,
DGR05b, DPSK06, HCH07b, HCH07a, IS07,
IT08a, IT08b, IT09b, ITBD09, IT09a,
KHG04b, KHG04a, KG07, MR04, McS05,
Miy18, SMPU15, SC05, TD11, WG07b,
WG07a, WW08, ZYL05]. **Computations**
[BB12, DSD09, KHMGO3b, BSV04, BSV05b,
Bou25, BRZSC05, CRZT20, LSXL17a,
LSXL17b, Sid08, Tan17, ZWSC25].
compute [CG07]. **Computer**
[IEE06d, IEE08c, IEE09b, J⁺06, MPW⁺07,
Soh09, WZM10]. **Computers** [Mac12].
Computing [D⁺07, FG07, GGGL10, H⁺07,
IEE03, IEE05b, IEE06i, IEE07a, MAiK14,
Men09, QJT07, TLC06, WD04, WHS⁺06,
WZW10, ZL06, AMM14, Bai12, Ber05,
Ber06, BP22, CGS02, GG06, GGL07,
GXZ15, GW17, GJSC18, GJNC18, GLC22,
HWH⁺21, HGW24, IEE06f, JWSG22,
KHMGO3a, LGZ07, LSW09, MT20, RM06,
SHL⁺25, TZWG21, TLD22, WHS17,
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[IEE07c]. **Concept**
[DMS06, AOTV12, FGM⁺01, TVY21].
Concept-Aware [DMS06]. **Concern**
[JZM⁺09]. **conditional** [LM05c].
Conditioning [Kir06]. **conductance**
[CPG11]. **Conference**
[ACM01, Ano02, Bah01, Bar03, BZ06, Bar04,
BMY05, C⁺03, C⁺06, C⁺01, D⁺07, FYZ06,
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IEE05a, IEE05b, IEE05c, IEE06f, IEE06a,
IEE06e, IEE06c, IEE06j, IEE07d, IEE07b,
IEE07c, IEE07f, IEE07h, IEE07a, IEE07i,
IEE08a, IEE08c, IEE08b, IEE09a, J⁺06,
LYZ07, L⁺07, L⁺03, LS07, M⁺08, M⁺05,
MPW⁺07, N⁺07, NND⁺05, N⁺06, OBB07,
Per06, R⁺07, Sko05, Soh09, TW07, W⁺02,
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yCCZ07, ACM01]. **Congress**
[IEE06k, IEE09b]. **conjunction** [FG07].
Connected [OTK06]. **Connectivity**
[AB06]. **conquer** [DPSK06]. **Consequences**
[VS19b, Wei05]. **Consistently** [WL07].
Content
[AB06, Guo07, HLF10, NND⁺05, SHH07].
Content-based [SHH07]. **Contents**
[KYO⁺06]. **context**
[FGM⁺01, Hav03, JW02, MBM09].
context-sensitive [Hav03]. **Contextual**
[SHH07]. **continuation** [BP22]. **continuity**
[NMP03]. **contribution**
[SC05, WW08, WW10b]. **contributions**
[ABC⁺07, ABC⁺08b]. **Control**
[IEE06e, IEE06k, IEE08a, IEE08b].
Convention [Bah01]. **Convergence**
[GK11, HW21, IK05, IK06, KL07, N⁺07,
Soh09, Bai12, GvdHL20]. **Cooperative**
[WHS⁺06]. **‘Copenhagen’** [Dje07].
Copyright [Rho10]. **core** [PWZW15].
core-attachment [PWZW15]. **Corner**
[Mol02]. **correct** [Mar97]. **Correlation**
[HQYfZ06]. **correlations** [OC21]. **Cost**
[WQZD25]. **Cost-Effective** [WQZD25].
counts [FSZB15]. **coupled** [TLD22].
course [Reb12a]. **crawl** [BYKS09].
Crawled [KOK03]. **Crawler** [AHL09, LZ09,
TP08, YYL07a, YYL07b, ZYY07, ZQ09].
Crawling
[AHL09, BYG07, BMSV18, JZ07, MYWL04].
Crawls [CSLL18]. **Creator** [Dje07]. **Crete**
[IEE07e]. **Croatia** [LS07]. **Cross**
[NND⁺05, ZSW06]. **cross-media** [ZSW06].
cross-reference [ZSW06]. **cue** [ZSZ05].
cue-based [ZSZ05]. **currency** [Suz04].
curve [WB09]. **Customized** [GCF⁺20].
Cybernetics [Bah01].

D [Dje07, Kap08]. **Dalian** [IEE06k].
Damping [WWJ12, ALP08, BYBC06, BL06a, BC06, BSV05a, Bol05, BSV07, SSCW22].
Dangling [IS08, IS07, SHL⁺25]. **Data** [Bar03, BZ06, C⁺06, D⁺07, H⁺05a, NWyY07, R⁺07, WQZD25, WZW10, AG04, DIL⁺19, GP06, GP07a, Per06, TVY21, YZC⁺19].
Database [LL08, TW07, ABS21, Pag01].
databases [BHP04, HHP08]. **datasets** [LRU14]. **December** [A⁺08, BC07, C⁺03, C⁺06, IEE06f, IEE06e, IEE06b, IEE08a, NND⁺05, N⁺06, W⁺02].
decentralized [PDMW06]. **Decision** [IEE08a]. **Decomposition** [ME11]. **Deep** [CGL⁺23]. **Deeper** [LM04a, BSV07].
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Differentially [WZP⁺14]. **differentiation** [CCLL14a]. **difficult** [SHC⁺19].
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DirichletRank [WTS⁺08]. **disaggregation** [ZYL05]. **disambiguation** [AS09, MPS12, MTF04]. **Discovery** [HHY06, LYZ07, M⁺08, Yu09]. **Discrete** [ACM08]. **Distributed** [BMY05, FG07, IEE03, IEE05a, IEE05b, IEE07g, IT09b, ITBD09, IT10, ITB10, SSB03, SYSB03, SYYW03, TP08, WA05, YAI⁺04, ZYL05, CNP07, IT08a, IT08b, SMPU15, WD04].
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Distributions [IO18]. **Divide** [DPSK06].
Do [BYKS09, BSV04, FSZB15, LSV07].
Doctor [Dje07]. **document** [ADN⁺08, LWZX08, NMP03, TMF05, ZSZ05].
Documentation [PMKY23]. **Documents** [ZOZG07, MS05]. **does** [NZT07, Suz04].
Domain [CSLL18, Kru01]. **DRank** [SPLW17]. **Drive** [Mac12]. **drops** [AC07].
Dubrovnik [LS07]. **DUST** [BYKS09].
DYNA [KT08]. **DYNA-RANK** [KT08].
Dynamic [Cha07, CHH12, PCG08, RG12, WPZ08, GLST17]. **dynamical** [SZ10].
E-Commerce [WHS⁺06]. **E-Services** [WHS⁺06]. **each** [MM04]. **Early** [AHL09].
Economy [Leo41]. **Edge** [WWG⁺22, WQZD25, PDSR05].
Edge-based [WWG⁺22]. **Editor** [Dou07].
EEE [WHS⁺06]. **Effect** [FLM⁺05, RPM07, AL06b]. **Effective** [SWT08, WQZD25, WTX⁺16, YJZZ23].
Effectiveness [SSPN08]. **effects** [AGN06, BSV04, BSV05b]. **Efficient** [BLMP04, BLMP06, CGL⁺23, KT08, LL24, PDMW06, QJT07, WYW⁺19, WWS⁺10, YMZ19, ZXZ11, ZLJ18, AM21, CGS02, DPSK06, MR05, SHC⁺17, WG07b].
Efficiently [AHL09, SHL⁺25]. **Effort** [PMKY23]. **Eigenfactor** [Ber07].
eigenfactor.org [Ano11]. **eigenproblems** [JW10]. **eigenstructure** [GGGG07].
Eigenvalue [Arb16]. **Eigenvalues** [Wu08, XZ09]. **Eigenvector** [BL06b, MG10, MGM08a, MGM08b, Mol02, NP09a, NP09b, NP09c, Naz10]. **Eighth** [FG07]. **Electrical** [IEE06i]. **Electronic** [Dje07]. **elimination** [SHC⁺17].
embedding [YSX⁺20]. **emergence** [FGS11]. **Emitting** [DLL12]. **Empirical** [ZLL⁺21, Leo41]. **Empirically** [GCFG10].
Engine [Dje07, Kap08, SP20, BP98, LM06b, MBHG05, Wil06, BP12]. **Engineering**

[BZ06, FG07, IEE05c, IEE06a, IEE06i, IEE07d, IEE07f, IEE09b, W⁺02, TMF05].
Engines [JZ07, Lev11a, ZZB09, BB05, CMS10, GP07b, Mar97, MBDC15, YXC⁺11].
ENSYS [IEE07i]. **Enterprise** [WHS⁺06].
Entertainment [IEE07i]. **Entity** [LCY09, XLC20, Cha07]. **Entity-Relation** [LCY09, Cha07]. **entrepreneurs** [Low09].
entries [Kir06]. **Environment** [HHY06, WQZD25, KG07]. **Epidemic** [LEA15]. **Equal** [BIG13]. **equations** [Sid08].
equilibria [CTWZ09]. **equilibrium** [Leo41].
error [Guo20, LLVX20]. **estimates** [PGRC18b]. **Estimating** [DD06, Naz10, SGP08, SGP11, WW23, CGS04].
Estimation [IO18, KYO⁺06, VS19a, AG04].
estimations [FBFM07]. **Euromicro** [IEE05a]. **Evaluate** [NWyY07, ZMW⁺18].
Evaluating [BDR09, BDR10, CCLL14a].
evaluation [CCLL14b, NJFD14, Yan14].
Event [ILLS09, LLWH07]. **Event-Based** [LLWH07]. **Evolution** [LCY09, MYWL04].
Evolving [RG12]. **Exact** [GMS05].
Example [CC07]. **Execution** [ZLJ18].
Existence [FLM⁺05]. **existing** [HCH07b, HCH07a]. **Expansion** [XLC20].
Experimental [ASH07b]. **Experiments** [ANTT02, MBM09, FRCS05, MBHG05].
Expert [TW07]. **ExpertRank** [Zho12].
Explained [Col02]. **Exploiting** [KHMG03a, MAliK14]. **exponentiation** [MRS⁺01]. **Expressed** [WZP⁺14].
Extended [ZbXF08]. **Extending** [BS23].
External [LLWH07]. **Extracting** [MS06].
Extraction [BGH⁺04, LW07, LCY09, LLYW10, SP20, ZGC18, IYLz23, WLW07].
Extractive [LLWH07]. **Extrapolated** [Bou25, AMM14]. **Extrapolation** [BBJ25, BRZSC05, BRZ07, CRZT20, DSD09, KHMG03b, BRZ08, HGW24, SSCW22, Sid08, Tan17, WW10a, ZHWS16].
Eye [LM05b, LM06a].
faceted [PPM⁺17]. **Factor** [SPY⁺09, ALP08, BL06a, BC06, BSV05a, BSV07].
Factors [WWJ12, SSCW22, VLD07].
FactRank [JP10]. **facts** [JP10]. **failures** [IT09b]. **Fairmont** [C⁺03]. **Fall** [Dje07].
Falls [IEE07b]. **fame** [UCH03]. **family** [NIC06]. **far** [DLLM07]. **Farm** [RPM07, DSZ07]. **Fast** [BCG10, BYG07, DGR05b, GZB04, GPC08, KL07, ME11, SMPU15, TFP06, MBDC15].
Fault [ZLL⁺21, YJZZ23]. **Faustu** [Dje07].
FAW [DHX09]. **feasibility** [BCS05].
Feature [SP20]. **features** [ABC⁺08a, ZLC⁺22]. **February** [ADL09, IEE05a]. **feedback** [CKS11].
fibrations [BLSV06]. **FICA** [BYG07].
Field [AKL18, NWyY07, FBFM07]. **Fifth** [M⁺08, H⁺05a]. **Filtering** [PMKY23].
Finding [CXMR07, CON03, CON04, Mas07, WLJH10, Mas05, NP09a, NP09b, NP09c].
First [D⁺07, BDR09, Reb12a, WMC13, NND⁺05].
first-order [WMC13]. **Fishnet** [SZ07]. **FIT** [BMY05]. **fitting** [MK19]. **fixed** [CRZT20, HW21, LLPC23]. **fixed-point** [CRZT20, HW21, LLPC23]. **Florence** [NND⁺05]. **Florida** [H⁺03]. **FOCS** [IEE06d]. **Focused** [YYL07a, YYL07b, ZYY07]. **follow** [LSV07].
follows [BC06]. **FOM** [ZHWS16]. **Football** [Col02, GMA08]. **force** [DWH⁺15].
force-directed [DWH⁺15]. **Forensics** [WZM10]. **form** [SC05, WW08, Wu08].
Formula [DSD09]. **fortune** [UCH03].
Foundations [IEE06d]. **Fourth** [LYZ07, Soh09, Yu09, A⁺08]. **FPGA** [MGM08a, MGM08b, YXC⁺11].
FPGA-based [YXC⁺11]. **FPMPE** [ZWSC25]. **Fractional** [AHL09]. **Fragile** [IT09a]. **Framework** [MK19, XLC20, CTW⁺02, DHH⁺02, DHH⁺03]. **France** [IEE05a, Sko05]. **Francisco** [ACM08, Bar03, WHS⁺06]. **Fredericton** [Gho04]. **Free** [Col02, AL06a, SJY⁺20, ZXLL10]. **Fremont**

[L⁺07]. **Frequency** [GRP07]. **frequent** [YH09a]. **FrogWild** [MBDC15]. **Frontiers** [DHX09]. **FSKD** [M⁺08, LYZ07, M⁺08]. **FSKD'07** [Yu09]. **Fukuoka** [Bar04, BMY05]. **Fukushima** [MPW⁺07]. **full** [SCW⁺24]. **fully** [FRCS05]. **function** [BSV05a, BSV07]. **Functional** [BSV09]. **functions** [BYBC06, MPG⁺13]. **Future** [Mac12]. **FUZZ** [IEE09a]. **FUZZ-IEEE** [IEE09a]. **Fuzzy** [IEE09a, LYZ07, M⁺08, Yu09].

Galway [H⁺07]. **game** [Naz10]. **games** [CTWZ09]. **gap** [WTS⁺08]. **gems** [CXMR07]. **Gene** [MLZ⁺24, WZP⁺14]. **General** [DSD09, HSC07, TLZ⁺19]. **generalizations** [LGZ07]. **Generalized** [KP09]. **Generalizing** [BYBC06, GMA08]. **GeneRank** [BK13, MBHG05, SEH14, WZW10, YLB07]. **Genes** [WZP⁺14, WKK⁺12]. **Genius** [Dje07]. **geo** [MS05]. **geo-referencing** [MS05]. **Geometric** [CGL⁺23]. **Georgia** [BZ06]. **Germany** [Per06, TW07]. **giants** [Fra10, Fra11]. **gigabit** [MR04]. **global** [DD06]. **GMRES** [GJSC18, JWSG22, SSCW22, WW10b, WWJ12]. **GMRES-Power** [GJSC18]. **goes** [WKK⁺12]. **Google** [WW08, Ano04, AL06b, BB11, BL06b, CXMR07, CSC10, Cli10, DN11, Dje07, GMA08, Hig05, HSC07, IW06, Kir06, LM05b, LM06b, LM06a, LTT10, Lev10, Lev11b, LSW09, Low09, MOG06, MM04, Mol02, Pre02, Reb12b, Rho10, RSA09a, SC05, SZ10, Sob03, Wil06, WI09, WKK⁺12, Wu08, WW10b, YWX⁺07, Kap08]. **Google-like** [DN11]. **Google-PageRank-like** [YWX⁺07]. **Google-type** [Kir06]. **GPUs** [SYJ⁺19, WWS⁺10]. **Graduated** [KP09]. **Granular** [ZL06]. **Graph** [ACL06, AKL18, BGH⁺04, BLSV06, Chu09, DS23, DMS06, LSCY23, MLZ⁺24, Rad06, YKL06, ZLJ18, A⁺08, ACL07b, Aug08, ADL09, BC07, BLMP04, BLMP06, CPG11, Chu07, DLLM07, DWH⁺15, GP06, GMS05, Leo04, MAiK14, MS05, MBDC15, SGP08, SGP11, YZTF24, ZTYZ23, ZSW06]. **Graph-Based** [Rad06, DS23]. **graph-ranking** [MS05]. **GraphBLAS** [PKDM21]. **Graphics** [LSXL17a, LSXL17b]. **Graphs** [BIG13, Bau08, ACL07a, ACL08, Cha07, CZR20, Gro15, GLST17, PDSR05, SYJ⁺19, SJY⁺20, YSX⁺20]. **Graphs*** [EKU22]. **greatest** [Low09]. **Greece** [IEE07e]. **Grid** [HHY06, IEE07h, KK06, TLC06]. **groundable** [WMC13]. **GroupRank** [WZP⁺14]. **Groups** [WZP⁺14]. **growing** [AL06a]. **Gyeongju** [N⁺07].

Haier [FG07]. **Haikou** [LYZ07, Yu09]. **Hainan** [LYZ07, Yu09]. **Halifax** [L⁺03]. **Hardware** [MG10]. **Hawaii** [Ano02]. **Heat** [Chu09, Chu07]. **Hefei** [DHX09]. **held** [Yu09]. **Henan** [OBB07]. **Hessenberg** [GLC22, HGW24]. **Hessenberg-type** [GLC22]. **Heterogeneous** [ZOZG07]. **heuristic** [Miy18]. **Hidden** [LL24]. **hierarchical** [YZTF24]. **High** [D⁺07, IEE03]. **Higher** [HW23, KBK05]. **Higher-Order** [HW23, KBK05]. **highlights** [ATV16]. **History** [Rob19, SC12]. **HITS** [DHH⁺02, DHH⁺03, FLM⁺05, MRS⁺01, NZT07, SPY⁺09, Zho12]. **Homogeneous** [JB09, YSX⁺20]. **Hong** [ACM01, C⁺06, M⁺05, N⁺06]. **Honolulu** [Ano02]. **Hopfield** [CC07]. **Hotel** [C⁺03, IEE06c, L⁺07, N⁺07]. **Houston** [H⁺05a]. **HowNet** [WLWZ08]. **HPC** [D⁺07]. **HPC-Bio** [D⁺07]. **Hub** [ZFCY15, ZSZ05]. **hub-authority** [ZSZ05]. **HubPPR** [WTX⁺16]. **Hubs** [DZH⁺04, CON03]. **Human** [DLL12]. **Hungary** [HW03, Tom03]. **Hydai** [N⁺07]. **Hyper** [Mar97]. **Hypergraph** [CLC24]. **Hyperlink** [hLqL07, YWGC11, SBC⁺06].

Hyperlink-Induced [YWGC11]. **hyperlinking** [TMPP05]. **hyperlinks** [KL05, KL10, Lin08]. **hypertext** [ADN⁺08]. **hypertextual** [BP98, BP12].

i.e [FG07]. **I/O** [CGS02]. **I/O-efficient** [CGS02]. **ICALT** [IEE06j]. **ICARCV** [IEE06e]. **ICBBE** [IEE07d]. **ICC** [IEE09a]. **ICCIT** [Soh09, N⁺07]. **ICCSIT** [IEE08c]. **ICDE** [BZ06]. **ICDM** [C⁺06, H⁺05a, Per06, R⁺07]. **ICITA** [H⁺05b]. **ICIW** [IEE07i]. **ICN** [IEE06h]. **ICONS** [IEE06h]. **ICSNC** [D⁺07]. **Ideas** [Mac12]. **Identification** [BIG13, PWZW15]. **Identifying** [OTK06, CCLL14a]. **IEEE** [Bah01, H⁺05a, H⁺07, IEE03, IEE05c, IEE06d, IEE06b, IEE08a, IEE08b, IEE09a, J⁺06, L⁺07, MPW⁺07, N⁺06, R⁺07, Sko05, TLC06, WHS⁺06, ZL06, L⁺03, M⁺05, Z⁺04]. **IEEE/WIC** [Z⁺04]. **IEEE/WIC/ACM** [L⁺07, N⁺06, Sko05]. **illustration** [RR17]. **Image** [Bau08, JB08a, JB08b, Per06]. **images** [HCW⁺07]. **Immune** [PHW10]. **Impact** [DS23, Din14, JZM⁺09, SPY⁺09, Wei05, FT17, ZMW⁺18]. **Implementation** [ABS21]. **Implications** [AKL18, MYWL04]. **Implicitly** [LEA15]. **Importance** [NWY07, LM05c, LGL⁺08, MM04]. **Important** [AHL09]. **Improve** [hLqL07, QM06]. **Improved** [CKS11, CGW09, EKV22, GZ08, KL02, LZ09, LYX12, PHW10, YH09a, ZXZ11, ZYY07, ZQ09, ZB09, LYLz23]. **Improved/Optimized** [EKV22]. **Improvement** [CGL⁺23, HLF10, YYL07a, WB09, YH09b]. **Improving** [WKK⁺12, ZGC18]. **In-Degree** [FBFM08, LSVZ09, LSV08, LSV07]. **Inadvertent** [Wei05]. **Incorporating** [CC07, ZGC18]. **Incremental** [KOK03, ZFCY13, BCG10, BSV04, BSV05b, Lof14]. **Indegree** [UCH03]. **Index** [CPG11, JB09, PCG08, PPM⁺17, SJY⁺20, PKLK09]. **index-free** [SJY⁺20]. **indexes** [AB14].

Indexing [WLWZ08, WTX⁺16]. **India** [IEE06f, IEE07c]. **indices** [ABS21]. **Induced** [YWGC11, KL05, KL10]. **Industrial** [Per06]. **Industry** [IEE07a]. **Influence** [CWL07, LXY⁺17, CG07]. **influential** [WLJH10]. **Information** [Bar04, C⁺01, DS05, H⁺05b, IEE06g, IEE08c, IEE09b, J⁺06, Lev11a, LS07, M⁺05, MPW⁺07, N⁺07, OBB07, Rad06, SC12, Soh09, W⁺02, CMS10, Kam10, Mar97, MBM09, SSPN08]. **Ingenious** [Mac12]. **Initialization** [FLM⁺05]. **Inner** [GGGL10, Bai12, GGL07, TLZ⁺19]. **Inner-Outer** [GGGL10, TLZ⁺19]. **Inout** [GW17]. **Inspired** [IEE07a, WQZD25]. **Institute** [BMY05, IEE06f]. **integers** [FCS12]. **Integrating** [SWT08]. **Intelligence** [FG07, L⁺07, L⁺03, N⁺06, Sko05, Z⁺04]. **Intelligent** [BYG07, IEE06k]. **inter** [PDSR05]. **inter-cluster** [PDSR05]. **Interaction** [DS05, MLZ⁺24]. **interactive** [KG07]. **Interactome** [DLL12]. **Interests** [MS06]. **Interfaces** [LS07]. **International** [ACM01, Ano02, Bah01, Bar03, BZ06, Bar04, BMY05, C⁺06, C⁺01, D⁺07, FYZ06, FG07, H⁺05a, H⁺07, H⁺05b, HW03, IEE03, IEE04, IEE05a, IEE05b, IEE05c, IEE06f, IEE06g, IEE06e, IEE06c, IEE06j, IEE07d, IEE07b, IEE07c, IEE07g, IEE07h, IEE07a, IEE07i, IEE08c, IEE08b, IEE09a, J⁺06, LYZ07, L⁺07, L⁺03, LS07, M⁺08, M⁺05, MPW⁺07, N⁺07, NND⁺05, N⁺06, OBB07, R⁺07, Sko05, Soh09, TW07, TLC06, W⁺02, WHS⁺06, YS⁺03, Yu09, ZL06, Z⁺04, A⁺08, ADL09, BC07, yCCZ07, DHX09, Leo04, IEE06i, IEE07f]. **Internet** [H⁺03, IEE04, IEE07i, BFS03, Mas07, TP08, WD04]. **introduction** [dG05]. **inventions** [RR17]. **investigation** [BSV07]. **investment** [Suz04]. **IPDPS** [IEE07g]. **Ireland** [H⁺07]. **ISCIT** [IEE06g]. **Island** [IEE09a]. **isomorphism** [Aug08, BLSV06]. **Italian** [Tud08]. **Italy** [Leo04, NND⁺05]. **Item** [ZZA⁺13]. **ItemRank** [GP07b].

Iteration [ALNO07, GGGL10, Bai12, GGL07, GXZ15, GJNC18, HM15, HW21, LLPC23, TLZ⁺19, TZWG21, TLD22, WHS17, WHS23, ZWSC25]. **iterative** [DN11, LM04b, OKH⁺13, ZYL05]. **ITI** [LS07].

J [WW08]. **January**

[ACM08, FYZ06, H⁺03, IEE04, IEE07c].

Japan [Bar04, BMY05, IEE04, MPW⁺07].

Japanese [OTK06]. **Jeju** [IEE09a]. **Jinan**

[M⁺08]. **Joel** [Dje07]. **Joint**

[IEE06c, WHS⁺06, WHS⁺06]. **Jordan**

[WW08, SC05, Wu08]. **Journal**

[BRV06, SPY⁺09, SSPN08]. **journals**

[Ber07, BDR10, CCLL14a, CCLL14b]. **Julia**

[PKDM21]. **July** [BMY05, FG07, H⁺05b,

IEE06c, IEE06j, IEE07d, M⁺05, Per06].

June [DHX09, IEE03, IEE05b, IEE06k, LL08, LS07, M⁺05, WHS⁺06]. **Juxtaposed** [PCD⁺08].

Kaohsiung [YS⁺03]. **Karnataka** [IEE06f].

Katz [PKLK09]. **KE'05** [IEE05c].

Kerkrade [IEE06j]. **Kernel**

[Chu09, Chu07]. **Key** [GWR09, LJR09].

keyphrase [LYLz23]. **Keyword**

[LW07, LLYW10, SYSB03, WLW07,

WLWZ08, BHP04, HHP08]. **Keywords**

[Mas07, MS06, ZWXX12]. **Kirsten** [Dje07].

Kleinberg [MRS⁺01]. **Knowledge**

[IEE05c, IEE07f, IEE07h, LYZ07, M⁺08,

Kru01, Yu09]. **Kong**

[ACM01, M⁺05, N⁺06, C⁺06]. **Konkani**

[DS23]. **Korea**

[J⁺06, N⁺07, Soh09, IEE09a, J⁺06]. **Krylov**

[DGR05a, DGR07, WZW10].

LambdaRank [YXC⁺11]. **Landmark**

[RCM17]. **Language** [IEE05c, IEE06b,

IEE07f, LW07, OBB07, Rad06, KL05, KL10].

Langville [Dje07, Kap08, IK05, IK06].

Large [Arb16, CSLL18, HW23, JB08a, ZW25, BP98, BP12, JW10, SYJ⁺19, Sid08].

Large-Scale

[CSLL18, JB08a, ZW25, BP98, BP12].

Largest [Mol02]. **Larry** [Low09]. **Latency**

[WQZD25]. **Latent** [CGW09]. **law**

[BC06, Rho10]. **laws** [LSV07]. **layer**

[PGRC18a]. **Layered** [WA05]. **layout**

[HCW⁺07]. **league** [GMA08]. **Learning**

[CGL⁺23, IEE06j, YZZZ08, ZZZL06, RPB06].

Lecture [Arb16]. **Leipzig** [Per06]. **Length**

[GRP07]. **Letting** [LGL⁺08]. **Level**

[KK06, Yan14]. **Library** [Rho10]. **Light**

[IEE07a]. **Like** [PMKY23, DN11, YWX⁺07].

Limit [BL06a, Vig05]. **Linear**

[BL06b, CLC24, GZB04, JB09, DGR05b,

MOG06, SCW⁺24]. **lines** [MPG⁺13].

Linguistic [LLWH07]. **Link**

[CGL⁺23, CON04, DZH⁺04, LKL06,

MYWL04, NNH⁺07, RPM07, WG06, ZZB09,

BYBC06, CTW⁺02, DHH⁺02, DHH⁺03,

EV07, HCW⁺07, IR04, IT09b, IT09a,

KBK05, NZJ01]. **Link-Attributes**

[MYWL04]. **Link-Based** [LKL06, BYBC06].

Link-building [CGL⁺23]. **Link-Sensitive**

[ZZB09]. **linked** [Pag01]. **Links** [Guo07,

HLF10, AL06b, KL05, KL10, MM04, MH05].

Lists [WG06]. **lives** [Lev11b]. **Local**

[ACL06, ABC⁺07, ACL07a, ABC⁺08b,

ACL08, AKL18, BYM08a, BYM08b, CGS04,

Chu09, GvdHL20, KYO⁺06, AC07, BS23,

FBFM07, LSXL17a, LSXL17b, WWG⁺22].

Localization [ZLL⁺21, GPR13, YJZZ23].

locally [ACL07b, ABC⁺08a, WMC13].

locating [SSPN08]. **log** [MRS⁺01, VLD07].

log-log [VLD07]. **logic** [WMC13]. **Long**

[IEE07g]. **look** [Rho10]. **louder** [Dje07].

Louisiana [C⁺01]. **Low**

[BIG13, WQZD25, BCS05, SHC⁺19].

Low-Degree [BIG13]. **Low-Latency**

[WQZD25]. **low-rank** [BCS05, SHC⁺19].

lower [FRCS05]. **Lumping** [MV18, LSW09].

Luoyang [OBB07].

MAAOR [MV18]. **Macau** [M⁺05].

machine [RPB06]. **main** [N⁺06]. **make**

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