A Complete Bibliography of ACM Transactions on Algorithms

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
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

11 January 2020
Version 1.39

Title word cross-reference

(2 + ε) [PS19]. (α, β) [BKMP10]. (h, k) [BEJK19]. (k, r) [DFHT05]. (min, +)
[CMWW19]. (n − 1) [RW10a]. 1 [KN16]. 1 − 1/ε [HTWZ19]. 1.5 [KN16], 2
[ERV16, Fuj12, GILP16, HCT+11, dVV19, KN16, SS18]. 2 + ε
[AGLW18]. 2.5545 [HCT+11]. 3 [CLL+12, FLL+19, Heg06]. 4/3 [dVV19]. 4k^2
[Tho10a, Tho10b]. H [VWY10]. K
[DM09, ABF+18, AMS06, BPR+17, Cha10b, CV20, CMVZ16, DKR16,
DKN17, FHR07, FN10, GIN+17, GHNR10a, GHNR10b, HHL+16, HMS07,
Lev09, Li17, PT16, RRS07, RZ12, WZ16]. ⪯ [BDW19]. M [HIMŻ19], n
[RW10a]. O(log k) [ACEc19]. O(log n) [KK13]. o(mn) [Cha12]. O(n^2)
[BS06a]. O(n^{2.75}) [AFM08]. O(n^3) [GT08]. O(n log^2 n) [KMW10]. O(n log n)
[BKM09b, BKM09a]. O(nm) [CMA+19, KMMP07]. O(VE) [DC05]. P_6
[LPV18]. st [BSWN15, KW16b]. t [DP06].

-Approximation [dVV19, KN16, PS19, Fuj12, KK13]. -ary [DP06, RRS07].

0.8776-Approximation [ABG16].

1-center [YLW08]. 1-median [YLW08].


3-approximation [BPGN09]. 3SUM [Cha20]. 3SUM-hard [Cha20].

4-leaf [BLS08].

Access [ARS+14, BJKK18, CKR12]. accesses [CFLM07]. Achieving [APF+10]. ACM [BN+18]. ACM-SIAM [BN+18]. Activation [Fuk17]. Acyclic [HHM+18]. Ad [KMP16]. Adaptive [BPL18, CW16, GM12, MVP10]. Addendum [GT16a]. Adder [BH19, HS18]. Additive [BKMP10, RS11a]. Adjusting [Elm17]. Admission [AAC09]. Adversarial [CKR12, NE19, CDHW09]. adversary [AC10]. Advertising [AFH+16]. Advice [GP19]. affine [GMT11]. Agents [DP14]. aggregation [BMSV+09]. Agnostic [Win16]. agreeable [JLS12]. agreement [KKK+10]. Algebraic [AK18, CLL14, Vlg14]. Algebras [KW16a]. Algorithm [ACEc19, AFS18, AFS17, AKLR20, AER15, BDW19, BFPP18, CMA+19, CLL+12, CMV16, CBL17, CI17, DKN17, DS19, ERV16, FGK+16, HHL+16, Hid19, HK20, dVV19, KKH18, KKL13, KKL16, KN16, MMS14, PRS20, APM08, And10, AMM07, AR06, BB09, BL08, BS10, BD11, CCKER11, DC05, CCM10, CKS05, Ca10, CNP+11, DMRW09, DS08, Dji10, DV10, EK07, EPR10, EFKN09, Fuj12, HMS07, IM12, JZ06, KY13, Kau07, KMW10, RW09, VH05]. Algorithmic [AMS06, BCFN07, GIKW19, HS17]. Algorithms [ASW08, ABF+18, AMNS17, AFS+18, BGPN16, BBHT17, BKN14, BGH19, BR14, BGW+18, BMM19, BBT12, BCMSM12, BSSX20, BF18, CHA18, Cab19, CLL14, CV20, CMV16, CDHW09, CMM11, CDP19, DGM18, DHK16, DHH18, DPP18, EPM+16, EW20, EN19, EHL+18, ELR+08, FLN14, FLPR12, GS17, GKM16, HH17, HKK16, Har18, HL13, ISG07, KLP+16a,
KX19, KLP16b, KMPS16, Lac13, LNR₁⁺₁₄, LMS18, LRS18, MV₁₅, NS₁₆,
RS₁₇, SHHA₁₆, Swa₁₆, AAK06, AMR₀₉, AF₀₇, AA₁₄, AR₀₉, AGvS₁₃,
AK₁₀, AKR₁₂, BCD₁₂, BKS₁₂, BAT₁₁, BFK⁺₁₂, BCM₁₁, BF₀₇, CPR⁺₁₁,
CMO⁺₀₈, CMM₀₉, CK₁₂, CJST₀₇, DFHT₀₅, DI₀₆, DJP⁺₁₂, EF₁₂, Ek₁₁,
Epp₀₆, FP₁₀, FZ₀₇, GS₀₉, GKL₀₉, GKK⁺₀₉, GHPT₀₅, HSS₀₇, Iba₀₈,
IMY₁₀, JR₀₅, KNS⁺₀₇, MV₀₈, MZ₁₂, PU₀₇, PR₀₈, RSS₀₆]. algorithms [SZ₁₀, YLW₀₈, CEGK₁₁]. All-Or-Nothing [AFH₁₆]. All-Pairs
[KT₁₈, Cha₁₂, RS₁₁a, MTZ₁₀]. Allocation [AK₁₇, PS₁₆, CCKR₁₁, GN₁₄].
Allocations [AMNS₁₇]. Almost [AL₁₃, DH₁₈, CPL₁₂, Ek₀₅, FK₁₁].
Alphabet [BN₁₄]. Alphabet-Independent [BN₁₄]. Alternating [NRS₁₈].
Alternation [BK₀₈]. Amid [AFS₁₈]. amnesic [GLPP₀₈]. among
[CW₁₅, FKS₀₈]. Amortized [GHT₁₈]. Analysis [BBHT₁₇, BKK⁺₁₉,
ERV₁₆, ER₁₇, FN₂₀, GHPT₀₅, SCRS₁₇, WNN₁₅, AAY₁₀, AR₀₉, BK₀₈,
BAT₁₁, DMM⁺₁₂, DI₀₆, DK₁₂, EP₀₅, Epp₀₆, FBV₀₉, GN₁₄, GR₁₀].
analytic [SSS⁺₁₁]. Analyzing [CCW₁₈]. Anarchy [GHLL₁₆, DHMZ₁₂].
[DP₁₄, GMP₁₇]. any [FKW₁₁]. Application [AFH⁺₁₆, ARS⁺₁₄, Coh₁₈].
Applications [BR₁₆, DHH₁₆, GIK₁₉, Hir₁₉, HJT₁₇, KMN₁₇, KW₁₆a,
Swa₁₆, AAY₁₀, AG₁₀, AZ₀₈, BB₀₈, DMM⁺₁₂, FGPS₀₈, FGGV₀₆, FSP₀₈,
NW₀₇, RR₀₇, VVY₁₀]. applied [BM₀₈]. Approach
[BFGT₁₆, Gab₁₆, LMMW₁₆, AAA⁺₀₆, NW₀₇, VB₀₈]. approximability
[CGNS₀₈]. Approximate
[AEP₁₈, AC₁₀, AFK⁺₁₅, BS₀₆a, BSS₂₀, CW₁₆, FJS₁₄, GMP₀₅, GLN₀₈,
HLS₀₇, PP₁₈, WY₁₈, AKR₁₂, BFG₀₉, CST₁₂, Vis₀₈]. Approximating
[CLNV₁₄, Das₁₃, DKR₁₆, FR₁₀, GJJ₁₂, GGG₁₀, HLS₀₉, KR₁₆, LMMW₁₆,
MR₀₉, Mar₁₀, Nut₀₉, Nut₁₂, Oum₀₈, RT₁₃, WY₁₆, Man₁₂].
Approximation [Adj₁₉, ABD⁺₁₈, AMNS₁₇, AGLW₁₈, ABB₁₆, BR₁₄,
BHR₁₉, BKM₁₅, BPR⁺₁₇, CMV₁₆, DHH₁₆, DKN₁₇, EFM⁺₁₆, FGL⁺₂₀,
FKR₁₉, GKK⁺₀₉, HKK₁₆, HHL⁺₁₆, HW₁₉, HL₁₃, dVV₁₉, IMY₁₀,
JMR₁₉, JR₀₅, KK₁₃, KK₁₆, KN₁₆, KW₁₆b, KNS⁺₀₇, MMS₁₄, MV₀₈,
NHK₀₈, PS₁₉, Swa₁₆, TY₁₈, BFKS₁₄, BKL₀₇, BPG₀₉, Blå₀₈, BM₀₉a,
BM₀₉b, CCKR₁₁, CGR₀₈, Cla₁₀, DJP⁺₁₂, DV₁₀, EFK₀₉, Fuj₁₂,
HMＹ₀₇, JZ₀₆, Joh₀₆, Kar₀₈, Kar₀₉, LDₓ₀₉, RS₀₉, SS₀₈a, VH₀₅, CPR⁺₁₁].
Approximations [ASS₁₉, FIM⁺₀₆, Jac₁₁, LM₁₁]. arbitrarily [And₀₉].
arc-annotated [GGN₀₆]. Archipelagos [GRS₁₇]. architectures [NW₀₇].
Arrangement [TY₁₈, NS₁₀]. arrays [FGGV₀₆, LK₀₈]. Arrival [BH₁₉].
Arrivals [HTWZ₁₉]. ary [DP₀₆, RSS₀₇]. Ascending [BGH₁₉].
Ascending-Price [BGH₁₉]. Aspects [HS₁₇, BCFN₀₇]. Assignment
[AFH⁺₁₆, BH₁₂, MMS₁₄, MS₁₇, Soc₁₆, CNP⁺₁₁, HLS₀₉, Jac₁₁, LM₁₁].
asymmetric [Blå₀₈]. Asymptotic [HJT₁₇, SS₀₈a]. Asymptotically
[FV₁₉, GIN⁺₁₇, HS₁₈]. asynchronous [KKK⁺₁₀, KS₀₈]. asynchronously
[CPL₁₂]. Atomic [FKS₀₈, CKK₁₀a]. auctions [BLW₀₉]. Augmentation
Augmenting [KN16, EFKN09]. automata [AKL10]. automaton [CFI+08]. Average [AR08a, AR09, WNN15, IM12]. Average-case [AR08a, AR09]. axis [CKS09]. axis-parallel [CKS09].


density [KP08, ST08]. Dependent

[LS07, JMR19]. Depth [BEJK19, HS18]. Derandomized [Har19].

Derivative [CDJS17]. Descent [Hir19, AKR12]. Design

[BK16, AZ08, CCK10b, CGNS08, EKS05, JR05, KSS09]. Despite

[DP14, AC10]. Detection [BFGT16, AEL+12, HKM+12]. Determining

[AR08b]. Deterministic [BCEG07, BNCS08, BKK+19, BF18, CHA18, C17, DP14, GP19, Har18, Lac13, LMP18, NS16, TSZ14, MTZ10, Ružička, Ružička].

deterministically [KS08]. DFTs [HU20]. Diagrams [AK18, DHPR16].

Dial [GNR15, GHNR10a, GHNR10b]. Dial-a-Ride [GNR15].

Diameter [Cab19, Sol13, WY16]. Diictionaries [BB08, FGI09, RRS07, Ružička].

dier [EK06]. dierent [Jan05]. diculty [HSB07].

DFTs [HU20]. Diagrams [AK18, DHPR16].

dial-a-ride [GNR15].

Dimensions [CHA18, FR10]. Directed [CCHM15, GILP16, BD11, CEGS11, EPR10, GN08, HKRL07, KMW10, NS10, RTZ08, RZ12, VB08].

Direction [ADD+18]. Direction-Constrained [ADD+18]. Discontinuity [CCW18].

Discounted [MTZ10]. Discovering [FKW11, GRS17]. Discrepancy

[EPR13]. Discrete [AFK+15, BGN+18, NW07]. Disjoint

[AW19, KK13, KK16, CK07, CS07, DS11, GW07, ZO08]. disks

[CKS09, GKK+09]. displacements [Jan05, Vio05]. Disposal

[CHJ+18, SHHA16]. Dissections [FSP08]. Distance

[ACGP16, AFN+18, AFK+15, BPL18, EP16, GS18, GW20, MA16, WY13, ABS10, AHPSW10, AK12a, BS06a, CSTW12, CW10, CM07, DMRW09, FR10, GLNS08, HPR14, MR09]. Distances [Cab19, GMV09].

Distinct [Bl20, KKW12]. distortion [Pet09]. Distributed

[ASS19, AKR12, AKPS10, BHS14, BJKK18, CHL+20, GKP08, KMPS16, PR20, SCRS17, CY11]. distributing [FMS+10]. Distribution

[HS17, LCS+19, BH12, CRV11, Vio05]. Distribution-free [LCS+19].

Distributed [WN15, CDHW09]. Distributions [CDJS17]. Divergent

[GT16a, GT16b]. Diversification [BJLY17]. Divide [HJT17].

Divide-and-Conquer [HJT17]. Dividing [HJT17]. DNA [KSS09]. Do

[SZ20]. Domains [Win16, OGGW10]. dominance [BST08, Epp09a].

Dominating [ASS19, FLST18, GS17, FGPS08, GKL09, PRS12].

Domination [HMWW19, LPV18]. Dominator [GT16a, GT16b]. Doors

[KR18]. Dotted [ALM+12]. Doubling [ACGP16, CGMZ16, CJ18, KRX16].

Drawing [BRW16]. drawings [BLPS13]. Dual

[AD16, DH18, H19, WIN15, BCM11, VB08]. Dual-Pivot [AD16, WN15].

due [KKW12]. Dynamic

[ALLS07, ANFS17, BCC+10, BBM19, BJLY17, CN14, CKS19, GS18, HKN17, KP08, MN08, KTK+19, NS14, NS16, RST14, Tai14, AKS08, AHTL05, BKS12, CHLS07, DI06, Elk11, Epp09a, GK09, Iba08, LK08, Rod08].

Dynamics [FV19, FFM12].
ear [DC05]. Easy [KPR16]. Edge
[BK16, CMA\textsuperscript{+}19, CHL\textsuperscript{+}20, CK07, GILP16, GM14, dVV19, KK13, KK16,
KM16, MV15, EFKN09, HKS11, MZ12, SS08a]. Edge-Connectivity
[KN16, MV15, EFKN09]. Edge-covering [CMA\textsuperscript{+}19]. Edge-Disjoint
[KK13, KK16, CK07]. Edges [ADD\textsuperscript{+}18]. Edit
[GS18, AK12a, CM07, DMRW09]. Editor [Gab05]. Editorial
[Alb10a, Alb10b, APP17, BGN\textsuperscript{+}18, RRSW16, Sri19, Buc08].effectiveness
[Swa12]. Efficient [AAK06, AFS18, BS18, CR18, DH18, EN19, FGK\textsuperscript{+}16,
LPV18, MN18, SZ10, AAY10, AF07, ADHY08, MZ12]. efficiently
[AGKS07, BKLP07, CAY10, Heg06].Eigenvalues [TY18].
Election [ARS\textsuperscript{+}14, CKP\textsuperscript{+}19, GMP17, KKK\textsuperscript{+}10]. element [CS07].
element-disjoint [CS07]. Elements [Bla20]. Elimination [YB12].
Embedded [ADF\textsuperscript{+}15, Cab10]. Embedding [ADD\textsuperscript{+}18, BR16, LDX09].
Embeddings [AFT19, AEP18, CMO\textsuperscript{+}08, IN07]. Emulators [EN19].
encoding [FSP08, RRS07]. Encodings [GIN\textsuperscript{+}17]. End [KMPS16].
End-to-End [KMPS16]. Energy [AF07, CKP\textsuperscript{+}19, DH18, BCD12, CCL\textsuperscript{+}09].
Energy-Efficient [DH18, AF07]. entity [CPR\textsuperscript{+}11]. Entropy
[CDI\textsuperscript{+}12, GM19, PU07, AMM07, CCM10, GMV09, MN08]. Entropy-based
[PU07, AMM07]. entropy-compressed [MN08]. Enumerating [CMA\textsuperscript{+}19].
Enumeration [I09]. Enumerative [HS17]. Environments [NE19]. Envy
[SHHA16]. Envy-Free [SHHA16]. equal [GP08, IMY10]. equal-length
[GP08]. equals [FGGV06]. equations [Epp06]. Equilibria
[FGK\textsuperscript{+}16, BCKV06, CV07]. Equilibrium [Das13, EDKM07]. equitable
[CAI10]. equivalence [Kan07]. Equivalent [CMWW19]. erg [PUW08].
Error [JW13, AKPS10, RS11a]. Errors [KT19]. Essentially [KPR16].
Estimating [EHL\textsuperscript{+}18, CCM10]. estimation [GMV09]. Euclidean
[BKM15, CS08, Sol13]. Eulerian [FLM\textsuperscript{+}12, KK13]. Evaluation [DHK16].
Even [CP12, KKR19]. everywhere [CPL12]. evolution [FBV09]. Exact
[AFK\textsuperscript{+}18, CP12, GHT18, HJ17, Vio05, BFK\textsuperscript{+}12]. Excluded
[FLST18, LR15]. excluding [RW09]. Expansion [CLL\textsuperscript{+}12, PR12].
Expected [DHPR16, BS06a]. Experimental [DI06]. Experiments
[FGGV06]. explicit [RW10a]. Exploration
[DP14, GP19, TSZ14, AGP\textsuperscript{+}11, CFI\textsuperscript{+}08, DKK06]. Exponential
[ANFS17, CKP\textsuperscript{+}19, DHM\textsuperscript{+}14a, FP13, GKL09, KLP\textsuperscript{+}16a]. exponentially
[PR08]. expression [BFG09]. extended [HPR14]. extension
[GN14, KMM07]. extensions [BHZ13]. external [CFLM07, LK08].
extreme [GGM10].

face [DS11]. Facility
[ABF\textsuperscript{+}18, ANFS17, KS16, ST10, BH12, Fot11, FS11, MV08, Svi10, SS08b].
Factor [Adj19, HHL\textsuperscript{+}16, Cha20, Jac11]. Fair [AKS17, PS16, GMP05, GN14].
False [Pag18]. Families [FLPS17, GKM16, AG10]. family [ASS08]. Fan
[HS18]. Fan-Out [HS18]. Fast [AL13, BHK\textsuperscript{+}16, CN14, CJL17, ES16, HU20,
KKK\textsuperscript{+}10, PT11, WY13, YZ05, BS10, BD11, KS09, RW10b]. Faster
[AKLR20, BKK17, BH19, CMV16, CD17, CP12, DGM18, EW20, FLN14, FZ07, GS17, GW20, HW19, Jez15, Kar08, KKK18, KX19, KLP16b, LNR +14, RSS06, BG11, Dj10, Rod08, TM08, MM09]. father [SSS +11]. Fault
[HHL +16, PP16, PP18, SS08b]. Fault-Tolerant
[HHL +16, PP16, PP18, SS08b]. Faulty [KT19]. Feedback
[Alm +19, CCHM15, KR18, LRS18, RSS06, Tho10a, Tho10b]. Few
[BHK +16, GW07]. fewer [PR08]. FFT [GKM16]. FIFO [And09]. Fewer
[BHK +16, GW07]. File
[BBM19]. fill [KMM11]. fillup [JS07]. filter [CDHW09, DH12]. Filters
[NE19]. Filtrations [BS18]. Finding
[KT19]. Finite
[BCN12, CFI +08]. Fighting
[ABZ19]. First
[GIKW19, HKN17, EP05]. First-order [GIKW19]. Fit
[CCDL16]. Fixed
[BBM19, BBT12, CM15, CCHM15, DFHT05, DHM14b, MV15, DJP +12, EKS05, KK12, RSS06, CGK +11]. Fixed-Parameter
[BBT12, CM15, CCHM15, DHM14b, MV15, DFHT05, CGK +11]. Flajolet
[AGL18, KT18, AF07, AKR12, AGG10, BD07, BFKS14, BK15, CMS07, EF12, GMT11, HL06b, IM12, Kau08, TM08]. flows
[BEH +10, EK05]. Fooling [Har18]. For-All [GLPS17]. Forbidden
[ACGP16, GJLS17]. Forbidden-Set [ACGP16]. Forest
[BKM15, DKN17, GHNR10a, GHNR10b]. Foreword
[CRR13, Epp07, Gab09, H10, LOM06, Mat10, Gab05]. Formulas [KT19]. formulation [CCL +09]. Foundations [FJS14]. Fourier
[BD11, CDP19]. FPTAS [KKW12]. Fractional
[GM14, CKK10b, Kar08, Mar10]. Framework [Coh18, Har16, AKR12]. Frank [Cla10]. Fréchet [AFK +15, CW10, HPR14]. Free [CHJ +18, GLL16, KR16, SHHA16, BNC08, CKS09, DKT11, LCS +19, LPV18, Saw06]. Frequency [Coh18]. Frugal [AT07]. full [FMM10, KKK +10, MN08]. full-text [FMM10, MN08]. Fully
[BKS12, CDP19, FLS +18, Iba08, Jez15, NS14, NS16, AHTL05, Elki11, Rod08, RNO11]. Function
[BCP13, DHK16, DP06, SS09]. Functional [NS14, CMV11]. Functions
[BJLY17, CD17, Fe17, MA16, W16, AG10, GMT11, V14].
galled [MSS11]. Galois [AK12]. Game [EFF +15, BCKV06]. Games
[FV19, CKK10a, DHMZ12, FMM12, FKS08, GMT11, Swa06]. Gap
Gathering [DP14, BKMSS11, RS11b, SZ10]. General
[DP18, ES16, EP16, ERV16, GMS19, AAA +06, JZ06, MR09, ABD +08]. Generalization
[BR14, HHM +18, CF05]. generalizations [VB08].
Generalized
[ACEc19, AFH +16, CN19, CV20, HU20, CGR08, HL06a, Lev09]. generate
[BS10]. Generating [BBHT17, BHP19, Saw06]. Generic [MRR06]. Gener
[PPSV18, Dji10]. Geodesic [CW10, KR19, OGGW10]. Geometric
[CGK +11, Cha20, GS18, GRSW16, V14, BCEG07, BCH +12, CHP12].
Getting [PUW08]. Girth [DKR16, RT13, Dji10]. Gives [DH18, CFR10]. Good [ADK16, CFR10, Ko08]. Graph [BRW16, CMA+19, FGL+19, Gab16, GP19, KMZ18, KN16, KRS19, BKS12, BLPS13, CFI+08, DFR09, DKK06, EFKN09, GKL09, RW09, SS09, Wil10].

Graphs [ACGP16, AFT19, ASS19, ADF+15, ADD+18, AKLR20, BS13, CFI+08, DFR09, DKK06, EFKN09, GKL09, RW09, SS09, Wil10].

Graphs [ACGP16, AFT19, ASS19, ADF+15, ADD+18, AKLR20, BS13, CFI+08, DFR09, DKK06, EFKN09, GKL09, RW09, SS09, Wil10].


Meet [BKK17, CPL12]. Meet-in-the-Middle [BKK17]. meets [AFS12].

Medium [ARS14].

Meet [BKK17, CPL12]. Meet-in-the-Middle [BKK17].

Medium [ARS14].

Meet-in-the-Middle [BKK17]. meets [AFS12].

Medium [ARS14].

Meet-in-the-Middle [BKK17]. meets [AFS12].

O-efficient [AA10, MZ12]. Oblivious [BFCF+17, CCW18, CR18, FV16, FLPR12, HKLR07]. Obstacles [AFS18, CW15]. occurrences [BCN12]. Odd [FGL+19, KW14]. off [DFR09]. offline [BCN16]. one [CDEM10, Fot11]. Online [BJKK18, BFS19, CHJ+18, CKS09, DH18, EV06a, GP08, HTWZ19, JLS12, KB06, LMMW16, MNS12, AAA+06, AAG09, AKL10, BCN08, BF07, CCL+09, CJST07, CNP+11, EV10, GS09, GMP05, IM12, PU07, PRV11, YZ12, HCT+11, LK08]. open [BS10, GHKS06, GHKS13]. Opt [ERV16]. optimal [AZ08]. Optimal [AL13, AGS13, AD16, BN15, BDW19, Bla20, BRW16, CMA+19, CJS17, CWN18, CI17, DH18, DKK06, Ela17, Gav13, GLPS17, GMS19, GIN+17, GT08, GRSW16, Han07, JW13, LMS18, LMMW16, PRR20, ADHY08, CCM10, CMO+08, CMM09, DMRW09, FCiM09, FSP08, GKO9]. Optimality [DS08, CNP+11]. Optimally [EK06, KS08, TM08, Wil10]. Optimization [BGGN16, BHLR10, BPR+17, GM12, GNR16, AAA+06, GJL12, Vig14, MNS12]. Optimizing [CCL+09]. Oracle [BSWN15, EP16, LR15, CSTM12]. Oracles [GW20, KK06, WY13, BS06a, GLNS08]. Order [HL13, BF07, BM08, GIKW19]. Order-Preserving [HL13]. Ordered [KR19]. Ordering [BR16, CFR10, AFM08, CDHHW09, DH12, KB06, HKM+12]. Ordinal [ABD+08, GRR06, HSM12]. orientations [FLM+12, FSP08]. orienteering [CKP12]. Orthogonal [BRW16, Cha13, CW16, BLPS13]. out-trees [BRFF+12]. Outlier [KKK18]. Outliers [CN19, FKRS19, HPST19]. output [ST08]. output-density [ST08].
GPSS15, HTWZ19, BB09, BLW09, CFH07, FSP08, MZ12, PS10, PR08. 
Randomized [AEP18, CV20, FN20, KSS09, KKM11, KW14, PR08, BKS12]. 
Range [ACY12, CW16, GIN+17, WY18, BCEG07]. Rank 
[HST15, IKM+06, BF09, FGL+20, Oum08]. Rank-Balanced [HST15]. 
Ray [Tao14, GK09]. Reachability [Lac13]. read [Wil10]. Real 
[BG14, BNGK+09, BCMSM12, VWY10]. Real-Time 
Reasoning [AKL10]. Rebalancing [STK16]. receiver [EK06]. recognition 
[BLS08]. Recognizing [AFT19]. recolorings [MSS11]. Reconfiguration 
[Jez15]. Reconfiguration [LM19]. Reconstruction [CJL17, KMZ18]. Recovery [GLPS17], rectangle [ELR+08], rectangles [CKS09]. 
Rectangular [BGPV08]. rectilinear [BK09]. Recurrence [HJT17, Epp06]. 
recent [Kau07]. Reducing [CJ18]. Reduction [MMS14, MOR13, NS09]. 
redundancy [BK08]. Reflex [CDD+15]. register [DP06]. regret [YLW08]. 
Regular [FGLS19, BFG09, GKK10]. regulation [HS09]. rejections 
[AAG09]. Related [BFGET16, BDW19, CKP12]. relations [BHMS11]. 
Relationship [KR19]. relative [BF07, BM08]. Relaxation 
[Li17, ABD+08, GGG10]. relaxed [DM09]. Relay [EFM+16]. Rendezvous 
Representations [Gab16, FMMN07]. Representative [FLPS17]. 
Representing [BN15]. Required [PT16]. reservation [BM08]. residents 
[KMMP07]. Resilient [FGI09]. Resolution [GM12]. Resource 
[JMR19, CCKR11, GN14]. respect [CGK+11]. response [FFM12, PUW08]. 
Restore [CMR18]. Restricted [AKS17, PS16, BNLT07]. restriction 
[GGG10]. restrictions [AMS06]. Results 
[EW20, GRSW16, CPR+11, GHKS06, GHKS13, HIMY07, KNS+07]. 
Retroactive [DIL07]. Reversal [CBFWW15]. Revisited 
[ABH+18, CK07, HPR14, NS09]. Ride [GR15, GHR10,a, GH10b]. 
right [DDM+12]. Robust [ARS+14, GKR16, HS06]. roommates [CF05]. 
Rooted [CLNV14, KL06, Saw06]. roots [Lau06]. Roundtrip [RTZ08]. 
Route [CMV16]. Routing [AZ07, ADP07, CGM16, CBFWW15, 
GMT11, KRX16, AGM+08, CSTW12, HKRL07, KP08, RTZ08]. Rule [HJ15]. 
Rumor [DFS14]. 

s [BRFF+12, CRV11]. S-T [CRV11]. Salesman [DT16, BHKK12]. samples 
[EMS10]. Sampling 
[CHGG+17, Coh18, BCEG07, FSP08, GKK10, MPV10, PT11]. Santa 
[AFS12]. SAT [CDL+16]. Satisfaction [GRS17, CMM09, SS09]. savings
[ISG07]. **Scalable** [BKN14, IM12]. **Scalably** [EP12]. **Scale** [KRX16].

**Scale-Free** [KRX16]. **Scaling** [BCP13, DPS18, AA14]. **schedule** [Wil10]. **Scheduling** [AFH+16, BKN14, HJ15, JMR19, KMP16, LMMW16, SZ20, AZ07, BCD12, BNLT07, BNGK+09, BCMSM12, CCL+09, CEGK11, CCK10b, CRR09, DIP+12, EP12, EV06a, EK06, GHKS06, GHKS08, GP08, Hal12, IM12, JZ06, JLSS12, GHKS13]. **Scheme**

[BKM15, BKM09a, BKM09b, CSTW12, LDX09, SS08a]. **Schemes**

[BKK+19, FGL+20, FKRS19, HW19, JMR19, KRX16, IMM08, Kar08, KP08, Kor10, NHK08]. **SDD** [KLP16b]. **Search** [Cha13, ER17, PS16, STK16, JS07]. **Searching** [AAHP+16, ACY12, FG08]. **Seat** [BM08]. **Secretary** [BHZ13]. **Secrets** [AGKS07]. **Secure** [FIM+06, PR12]. **Segmentation** [ADV+16].

**Selection** [AFHN16, AFK+15, CMR18, EHR16, GIN+17, Cha10a, Han07]. **Self** [Elm17]. **Self-Adjusting** [Elm17]. **Selfish** [BHS14, ADPP07]. **Semi** [ER16, FLN14, KR16, PS19]. **Semi-Matching** [FLN14]. **Semi-matching** [KR16]. **Semi-Streaming** [ER16, PS19]. **Semicontinuous** [AFK+15]. **Semidefinite** [DHS16]. **Sender** [EK06]. **Sensitive** [Pag18]. **Sensitivity** [GW20, WY13]. **Sensor** [BMSV+09, FCFM09]. **Separability** [AAK06]. **Separate** [GS17]. **Separating** [Cab10]. **Separations** [CKP+19]. **Separator** [RW09]. **Separators** [MOR13]. **Sequence** [CFLM07].

**Sets** [BHPR19, GS17, GNR16, AMS06, BLW09, Epp09a, FGPS08, RSS06]. **Settings** [CCHP12]. **Sex** [IMY10]. **Sex-equal** [IMY10]. **Share** [AMNS17]. **Shared** [AKM08, AC10]. **Shared-memory** [AKM08, AC10]. **Sharing** [BKLP07, IMM08]. **Shooting** [GK09]. **Shop** [GHKS06, GHKS13]. **Short** [SS09]. **Shortcuts** [AFK+15]. **Shortest** [CW15, CR18, DS11, KMW10, Cab10, Cha12, DJ06, Elk05, HSB07, HMS07, KK06, MTZ10, MZ12, RS11a, RZ12]. **Shredders** [Heg06]. **SIAM** [BNG+18]. **Side** [EV06b]. **Sigma** [SW20]. **Signatures** [Ruz09]. **Silent** [DP14]. **Simon** [AMR09]. **Simple** [CDD+15, CJL17, FGK+16, NS16, AMM07, CW10, HSM07, RZ12]. **Simpler** [CD17, MM09, Rod08]. **Simplex** [DS19]. **Simplicial** [BS18]. **Simplified** [KN16]. **Simultaneous** [AGG+09, BR16]. **Single** [HJ15, KLP+16a]. **Single-Exponential** [KLP+16a]. **Single-Machine** [HJ15]. **SINR** [AK18]. **Size** [EP16, EHL+18, HS18, NRS18, RS11b]. **Sizing** [ELR+08]. **Skeletons** [CMV16]. **Sketches** [CD17]. **Skew** [RS17]. **Skew-Symmetric** [RS17]. **Skip** [AS07]. **Slack** [AEP18]. **Sleep** [AA14]. **Small** [BFG+16, CGH17, kTK+19, And09, MOR13, PT11]. **Smith** [HJ15]. **Smoothed** [DMM+12, ER16, ER17, AK12a]. **SODA** [BGN+18, Epp07, GBFC07, Gab09, HT10, MWY19, Mat10]. **SODA’11** [CRR13]. **SODA’12** [RRSW16]. **SODA’18** [LPW20]. **Solutions**
...solvable [ASS08]. Some [Cha20, CDP19, GMS19, GRSW16, AR09, CGNS08, FP10, GKL09, HSB07].


REFERENCES

[AW19]. worst [ADHY08, BF07, BM08, CV07]. worst-case [ADHY08, CV07]. Writing [KS08]. Writing-all [KS08].

Yao [BGLZ09].

zero [Kau07]. Zeta [BHK+16]. Ziv [BFG09].

References


REFERENCES


[ADD+18] Patrizio Angelini, Giordano Da Lozzo, Giuseppe Di Battista, Valentino Di Donato, Philipp Kindermann, Günter Rote, and...


February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

[Amir:2012:CDC]

[Anagnostopoulos:2018:RES]

[Avigdor-Elgrabli:2015:ICA]

[Albers:2007:EEA]

[Adany:2016:ANG]

[Ajtai:2016:SSI]
REFERENCES


REFERENCES

Akitaya:2019:RWE


Alon:2010:BFP


Andreev:2009:SSL


Azar:2010:TUF


Alon:2007:GSE


Anagnostopoulos:2018:MAU


Abraham:2008:CNI

June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).


REFERENCES


REFERENCES

Andoni:2016:WPS

Andrews:2009:IFP

Andersen:2010:LAF

An:2017:DFL

Aggarwal:2010:AAC

Andoni:2017:E

Adler:2005:PMM
Azar:2006:IA


Alonso:2008:ACL


Alonso:2008:DP


Alonso:2009:ACA


Awerbuch:2014:PRM


Aspnes:2007:SG


Azriel:2008:IFS

REFERENCES

Amiri:2019:DDS

Agarwal:2008:ACT

Archer:2007:FPM

Alstrup:2014:UFC

Abrahamsen:2019:CTT

Andrews:2007:RSM

Anshelevich:2008:PDU
REFERENCES

Ben-Aroya:2011:CAF


Blandford:2008:CDV


Berend:2009:LAC


Bacher:2017:GRP


Bienkowski:2019:DBF


Bocker:2012:IFP


Bansal:2010:DPI

[BCC+10] Nikhil Bansal, Ning Chen, Neva Cherniavsky, Atri Rurda, Baruch Schieber, and Maxim Sviridenko. Dynamic pricing for impa-
REFERENCES


REFERENCES


REFERENCES


Bansal:2019:HKS


Boyar:2007:RWO


Babai:2009:CR


Buchbinder:2018:DAS


Bender:2017:COS


Bille:2009:IAS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Blä08] Markus Bläser. A new approximation algorithm for the asymmetric TSP with triangle inequality. *ACM Transactions on Al-
Blasiok:2020:OST


Biedl:2013:MOP


Brandstadt:2008:SLT


Bruss:2009:IAI


Boyar:2008:RWO


Becchetti:2009:LCA

REFERENCES


REFERENCES


REFERENCES

16:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).


[CCHM15] Rajesh Chitnis, Marek Cygan, MohammadTaghi Hajiaghayi, and Dániel Marx. Directed subset feedback vertex set is fixed-


REFERENCES


REFERENCES

Cabello:2011:GCF


Chan:2016:HRD


Chuzhoy:2008:ASN


Chawla:2008:ENT


Chan:2010:CBT


Chan:2010:BSP


Chan:2012:APS

[Cha12] Timothy M. Chan. All-pairs shortest paths for unweighted undirected graphs in $o(mn)$ time. *ACM Transactions on Algorithms*,
REFERENCES


[CHL+20] Yi-Jun Chang, Qizheng He, Wenzheng Li, Seth Pettie, and Jara Uitto. Distributed edge coloring and a special case of the constructive Lovász local lemma. *ACM Transactions on Algorithms*,
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Chakaravarthy:2011:DTE


Chowdhury:2018:COB


Cohen:2009:TDM


Chawla:2013:FSI


Chung:2011:CDK


Cheriyan:2007:PED


Czumaj:2008:TEM

Artur Czumaj and Christian Sohler. Testing Euclidean minimum spanning trees in the plane. *ACM Transactions on Algorithms*, 4
REFERENCES


REFERENCES


REFERENCES


[DI06] Camil Demetrescu and Giuseppe F. Italiano. Experimental analysis of dynamic all pairs shortest path algorithms. *ACM Transac-
REFERENCES

Demaine:2007:RDS


Djidjev:2010:FAC


Diedrich:2012:TAA


Drmota:2012:PAC


Duncan:2006:OCG


Dinitz:2017:IAA

Dinitz:2016:LCI


Dvorak:2011:TCT


Dom:2014:KLB


Duch:2009:URK


Damerow:2012:SAL


Demaine:2009:ODA


Drmota:2006:RFA

July 2006. CODEN ????? ISSN 1549-6325 (print), 1549-6333 (electronic).


[DT16] Adrian Dumitrescu and Csaba D. Tóth. The traveling salesman problem for lines, balls, and planes. *ACM Transactions on Algo-


REFERENCES


REFERENCES


Edmonds:2005:MAL

Edmonds:2011:CCR

Edmonds:2012:SSP

Elkin:2016:LSL

Eppstein:2006:QAM

Eppstein:2007:FSI

Eppstein:2009:AMI


REFERENCES


REFERENCES


Fomin:2019:CWI


Fomin:2020:ASL


Fomin:2019:SCR


Fomin:2008:CBM


Fakcharoenphol:2007:TRP


Feigenbaum:2006:SMC

[FIM⁺06] Joan Feigenbaum, Yuval Ishai, Tal Malkin, Kobbi Nissim, Martin J. Strauss, and Rebecca N. Wright. Secure multiparty com-
REFERENCES


REFERENCES


REFERENCES

Gonzalez-Gutierrez:2010:ACT


Goel:2010:HPE


Gramm:2006:PMA


Gandhi:2006:IRD


Gandhi:2008:IBS


Gandhi:2013:CIR

REFERENCES

Graham:2016:AFN


Gupta:2010:DRF


Gupta:2010:DRK


Grabner:2005:ALC


Goranci:2018:IEM


Gao:2019:CFO


Georgiadis:2016:ECD

[GILP16] Loukas Georgiadis, Giuseppe F. Italiano, Luigi Laura, and Nikos Parotsidis. 2-edge connectivity in directed graphs. *ACM Trans-
REFERENCES


Giannopoulou:2017:UKC


Giannopoulou:2017:UKC


Giora:2009:ODV


Golubchik:2009:AAD


Golebiewski:2019:EOC


Gairing:2011:RSF


Guha:2009:SEE


Gabo:2008:FLD


Goel:2014:PBP


Gortz:2015:MMM


Gupta:2016:RMO

REFERENCES

February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Goldwasser:2008:ONS

Gorain:2019:DGE

Gerke:2015:MML

Gordon:2010:CWT

Geary:2006:SOT

Ganian:2017:DAT


[GT16b] Loukas Georgiadis and Robert E. Tarjan. Dominator tree certification and divergent spanning trees. *ACM Transactions on Al-
REFERENCES


Gupta:2007:CPD


Grandoni:2020:FRP


Halldorsson:2012:WSP


Han:2007:OPS


Harris:2016:LMT


Harris:2018:DPA


Harris:2019:DCB


Hirai:2019:TCB


Hirai:2019:DDA


Hohn:2015:PSR


Hwang:2017:EAS


Hajiaghayi:2016:AAM


Hajiaghayi:2012:PCS

REFERENCES


REFERENCES


Harris:2017:AEA


Held:2018:BAC


Hershberger:2007:DSS


Hayward:2007:IAW


Haeupler:2015:RBT


Hajiaghayi:2010:FSI


Huang:2019:OVW

Hsu:2020:NAF


Heydrich:2019:FAS


Ibarra:2008:FDA


Ito:2009:EIC


Irving:2006:RMM


Im:2012:OSA


Im:2008:LCM

[IMM08] Nicole Immorlica, Mohammad Mahdian, and Vahab S. Mirrokni. Limitations of cross-monotonic cost-sharing schemes. *ACM
REFERENCES


[Janson:2005:IDL] Svante Janson. Individual displacements for linear probing hashing with different insertion policies. ACM Transactions on Algo-
REFERENCES


REFERENCES


Jayram:2013:OBJ


Jansen:2006:AAS


Karakostas:2008:FAS


Karakostas:2009:BAR


Kauers:2007:ADZ

Katriel:2006:OTO


Khuller:2005:PC


Khuller:2006:PC


Khuller:2007:PC


Kowalik:2006:OBL


Kawarabayashi:2013:LAA


Kawarabayashi:2016:IAA


REFERENCES

Kumar:2016:DAE


Klein:2010:SPD


Kannan:2018:GRV


Kortsarz:2016:SAA


Krivelevich:2007:AAH


Kolluri:2008:PGM

Korman:2010:LSV

Korman:2008:DRS

Kratsch:2016:PLC

Konrad:2016:ASM

Korman:2018:DDP

Klemz:2019:OLP

Kratsch:2014:CNC
Stefan Kratsch. Co-nondeterminism in compositions: a kernelization lower bound for a Ramsey-type problem. *ACM Transactions*
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Lop


Lokshtanov:2018:IED


Lee:2020:ISI


Levi:2015:QPT


Lokshtanov:2018:LTP


Lu:2008:BPS


Moroz:2016:CDB

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
<th>Digital Object Identifier</th>
</tr>
</thead>
</table>
REFERENCES


REFERENCES


REFERENCES

11:1–11:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pandurangan:2020:TMO


Pemmaraju:2011:MCO


Panagiotou:2010:MBS


Polacek:2016:QPL


Paz:2019:AMW


Pritchard:2011:FCS

REFERENCES


REFERENCES


REFERENCES


[Roditty:2012:RPS] Liam Roditty and Uri Zwick. Replacement paths and \(k\) simple shortest paths in unweighted directed graphs. *ACM Transactions
REFERENCES


REFERENCES

Stein:2020:SWY

[SZ20] Clifford Stein and Mingxian Zhong. Scheduling when you do not
know the number of machines. ACM Transactions on Algorithms,
16(1):1–20, January 2020. CODEN ???? ISSN 1549-6325 (print),
1145/3340320.

Tao:2014:DRS

[Tao14] Yufei Tao. Dynamic ray stabbing. ACM Transactions on Algo-
rithms, 11(2):11:1–11:??, October 2014. CODEN ???? ISSN
1549-6325 (print), 1549-6333 (electronic).

Thomasse:2010:KFV

[Tho10a] Stéphan Thomassé. A $4k^2$ kernel for feedback vertex set. ACM
Transactions on Algorithms, 6(2):32:1–32:??, March 2010. CO-
DEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Thomasse:2010:KKF

[Tho10b] Stéphan Thomassé. A $4k^2$ kernel for feedback vertex set. ACM
Transactions on Algorithms, 6(2):32:1–32:??, March 2010. CO-
DEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Torng:2008:SOU

[TM08] Eric Torng and Jason McCullough. SRPT optimally utilizes faster
machines to minimize flow time. ACM Transactions on Algo-
rithms, 5(1):1:1–1:??, November 2008. CODEN ???? ISSN 1549-
6325 (print), 1549-6333 (electronic).

Ta-Shma:2014:DRT

[TSZ14] Amnon Ta-Shma and Uri Zwick. Deterministic rendezvous, trea-
sure hunts, and strongly universal exploration sequences. ACM
Transactions on Algorithms, 10(3):12:1–12:??, June 2014. CO-
DEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Tamaki:2018:AGM

[TY18] Suguru Tamaki and Yuichi Yoshida. Approximation guarantees
for the minimum linear arrangement problem by higher eigen-
values. ACM Transactions on Algorithms, 14(4):1–13, October
2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (elec-
REFERENCES

VeghVegh:2008:PDA


Vinkemeier:2005:LTA


Vigneron:2014:GOS


Viola:2005:EDI


Vishwanathan:2008:HIA


Voronenko:2007:MMC


Vassilevska:2010:FHS

Williams:2010:NPW

Wimmer:2016:ALP

Wild:2015:ACD

Weimann:2013:RPD

Weimann:2016:ADP

Wei:2018:TSB

Ward:2016:MSF
REFERENCES


Ye:2012:EG


Yu:2008:IAM


Yuster:2005:FSM


Yi:2012:MOT


Zhang:2008:CCP