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(1|1) [YLL18]. 1 [DE12, LPC00, Ngu12]. 1.5 [GLS10]. 14 [Res14]. 2 [ADM11, BS16, DEG+03, Dey97, EMM98, ELPZ07, For95, kLkHsL+23, ÓWW00, RW11, RR00]. 3 [AAH+15, AK99, BHP01, BBCS99, BS16, BS17, CM11, CSY97, CK97b, FM99, GGBK21, HSS05, JJ06, LWŻ12, RW11, TW06, Zhu04a]. 30 [O'R97a]. 31 [O'R97b]. 32 [O'R97c]. 33 [O'R98]. 34 [AO98]. 35 [O'R99b]. 36 [O'R99a]. 37 [DO00]. 38 [O'R00a]. 39 [O'R00b]. 4 [BS17]. 40 [O'R00c]. 41 [O'R01]. 42 [MO01]. 43 [O'R02]. 44 [O'R03]. A [BXHN03]. c [BK17]. C^1 [HREK07]. χ [BDH+12]. d [AB09, AK99, BK02, Gav09b]. δ [BDH+12]. E [BDH+12]. ϵ [DGRS08]. $\frac{2}{3}$ [WTX02]. K [BKN+11, AKKS14, AGM+12, CHU14, DHT15, DKMM23, ESS11, FN05, FS08, KK10, MNP+00, MRM15, Pap99, Wan15, WZ16, WZ19]. L [BRD09]. L_1 [WZ19, Wan15]. L_2 [Rab05]. L_∞ [PX15, PL01]. $\mathbf{R}^d$ [MRM15]. $\mathbf{R}^N$ [FKMW22]. n [AH19]. O [BS00]. $O(n \log^* n)$ [Dev92]. $O(n \log n)$ [ADS00]. ω [BDH+12]. $\Omega(n)$ [Dev92]. $\pi/2$ [BDD+12]. r [LWŻ12]. θ [BvR19]. V [San09].

-Angle [BDD+12]. **-Approximation** [LWŻ12]. **-Block** [San09]. **-Center** [WZ16, BKN+11]. **-Centerpoints** [MRM15]. **-Centroid** [YLL18]. **-Clustering** [KK10]. **-Colorability** [AAH+15]. **-Colored** [BS16, BS17]. **-Complexes** [ÓWW00].

-Connected [CK97b]. **-Continuous** [HREK07]. **-Convex** [BS00]. **-D** [CM11]. **-Dimensional** [AB09, AK99, BK02, Gav09b, JJ06]. **-Enclosing** [MNP+00]. **-Extensions** [Ngu12]. **-Flats** [CHU14]. **-Graphs** [BvR19]. **-Level** [AGM+12]. **-Manifolds** [Dey97]. **-Maps** [BS17]. **-Means** [FS08, WZ16]. **-Median** [WZ16]. **-Modem** [DHT15]. **-Omino** [AH19]. **-Packed** [BK17]. **-Pairs** [Pap99]. **-patches** [BXHN03]. **-Piercing** [AK99]. **-Plane** [DE12]. **-Ranges** [FN05]. **-Sampling** [DGRS08]. **-Searcher** [LPC00]. **-Sets** [ESS11]. **-Space** [CSY97]. **-splines** [BXHN03]. **-Star** [LWŻ12]. **-Visibility** [BRD09].

/Max [EHP18].

2-Approximate [GSZ11]. **2-Centres** [DK08]. **2-Dot** [JPV21]. **2-Manifolds** [DMMH11]. **2-Pseudomanifolds** [DMMH11]. **2-Trees** [BFL21].

3-Coloured [BHLL10].

Abstract [BK14, BKL17, MMR01]. **Acyclic** [DGL+00, Fra08]. **Adaptive** [BD05, CL17, EW00]. **Advancing** [HS02]. **Advantages** [AAH+11]. **Aggregate** [Wan15, WZ19]. **Aggregate-MAX** [Wan15]. **Aggregated** [GJS09]. **Algebraic** [CCD06, MS07a, SV01]. **Algorithm** [AL11, AKM+17, ADS00, ACDL02, AFN11, ACM01, BGK+09, BL03, BM02, BCHS07, Che10, CER97, DN97, EFKP13, HH12, KYZ14, LSS02, LWŻ12, MMNM07, MS07a, NY98, OGB11, Sha01, SI94, TV01, THI99, TO21, TMPD97, TW06, WZ20, WTX02, WDBB09, dF18, CL93, TMPD95]. **Algorithms** [Als97, AR19, AS01, ACKT01, BD05, BG05, BBL08, CY17, CD03, CHL+04, CSX05, CFM+01, DDCN13, Dey97, EFS09, ECHS11, FG04, For95, Gui22, IST20, JH04a, LSS98, Maf14, MS10, MTT99, MPW05, MS14, RW11, SV15, STÜ07, WCMS04, Wu09, ZP01, Dev92]. **Aligned** [BKN+11, iN23]. **Almost** [AACT17, DR02, KK10, WLW01]. **Alternating** [KKY00]. **Amidst** [BL03, CCK+06]. **Among** [CW12b, LYW97]. **Analyses** [STÜ07]. **Analysis** [BDIZ03, CWW08, Cho99, FOG00, Gui22, SOR06]. **Anchored** [DBGV06, FSS+97]. **Angle** [BDD+12, DE12, KLV21, KV23, Mit97]. **Angles** [CDRR05, FMHT14, WG21]. **Angularity** [DMOW98]. **Anisotropic** [SYI00]. **Anisotropy** [ACFV10]. **Annulus** [Cha02, DBHM+03]. **Any** [CM10, VO98]. **Application** [CEK+07, DG99, Epp97, Gui22, MHW00, NS09, TW06, KNA94]. **Applications** [Ata99, BS12, BCHS07, CHW02, CLX03, CHW+08, Cho99, DBGV06, DK06, FIS08, IM12, KTT02, NN09, PL01, SPPK08, WCMS04, Wu09]. **Approach** [BMT00, CMO03, CKMK03, KT03, MC91, MS06, MH00, PL04, Pet98, SM06]. **Approaches** [CHL+06]. **Approximate** [AMV13, Ber05, BDH+04, CJVW12, CSY97, DR20, GSZ11, KS11, MS07a, MS10, MST13]. **Approximating** [AS18, BYM+18, Cha02, CD03, NN09, VO98, Zhu97, Zhu04a]. **Approximation** [AFN11, ACM01, BXHN03, BGK+09, BG05, BCHS07, BK17, DDCN13, DK08, EFS09, GRS08, HH08, LWŻ12, LR00, MNP+00, MHS07, WTX02, WCMS04, ZP01]. **Approximations** [dFdSdF17]. **Arabesque** [Nab21]. **Arbitrarily** [MR03]. **Arbitrary** [AM07, HQYD22]. **Arc** [WJA20]. **Arcs** [GBRT13]. **Area** [BDJ10, BHLM03, BHLL10, CDG+09, Fra08, GR03a, GSa20, HL98, HSKK98, KPS13, MGR09, TWC06]. **Area-Efficient** [GR03a]. **Areas** [AACKM11, KSN99]. **Arithmetic** [Gav09b, JS09, dF18]. **Arithmetic-Degree** [dF18]. **Arm** [Kan97b]. **Arrangement**

[BEW03, MS07a]. **Arrangements** [ACGK17, GHH+98, GM98, HL04, KYZ14, LHHHP03, SS11, dBHOvK97]. **Art** [BI21, CJK+06, KM11, WK07]. **Assembly** [GM99, GHH+98, JMM98]. **Assessment** [San09]. **Assignment** [Mit00]. **Asteroidality** [CWW02]. **Asteroidality/Tubularity** [CWW02]. **Asymptotically** [RS11]. **Attractors** [MF06]. **Attributes** [BDIZ03]. **Augmenting** [WZ20]. **Author** [Ano97, Ano98, Ano99, Ano00, Ano01, Ano02, Ano03, Ano04, Ano05, Ano06, Ano07, Ano08, Ano09, Ano10, Ano11, Ano12, Ano13a, Ano14, Ano15, Ano16, Ano17, Ano18, Ano19, Ano20, Ano21, Ano22, Ano23]. **Automatic** [BBCS99, KT03]. **Aware** [EFKM08]. **Axes** [WG21]. **Axis** [CDKW05, EMM98, GRS08, MGD15, Seg99, SFM07, WIEH05, Zhu97]. **Axis-Parallel** [CDKW05, MGD15, Seg99, Zhu97].

Back [kLkHsL+23]. **Balanced** [AGLN03, KK05, KU10]. **Ball** [CLRW10, FG04]. **Ball-Map** [CLRW10]. **Balls** [BG11a, FG04, Gui22, NN09]. **Bands** [HH08]. **Based** [ADM11, AL01, ACKT01, BBR09, Ber00, CSX05, CW12a, CGJS11, DGRS08, EFKP13, GLL+99, GGBK21, HH08, HH12, KS05, MF06, MH00, Sch00, Tou05]. **be** [CCMS19]. **Beltrami** [Xu06]. **Bends** [ECHS11, EC15]. **Benefit** [FOG00]. **Bernstein** [Pro22]. **Best** [BDE02]. **Between** [AS08b, BHP01, Ber05, Bes02, CLR07, CLRW10, GMMW19, Gui22, Tan02, Wan09, CT97]. **Beyond** [AMV13]. **Bézier** [Rab05, ZWG06]. **Biarc** [HH08]. **Bichromatic** [CGG+12, PS19]. **Bilateral** [MG98]. **Binary** [DK12]. **Bipartite** [JMM+23]. **Bipartitions** [DK99]. **Bisecting** [BKL17]. **Bisection** [KLV21]. **Bisector** [EHP18]. **Bisectors** [FR98]. **Bites** [DG98]. **Bitmap** [KC97]. **Black** [BD05]. **Black-Box** [BD05]. **Block** [CHW+08, San09]. **Blue** [AC01, BK18, HSS05]. **Boat** [NS09]. **Boat-Sail** [NS09]. **Bodies** [Sit06]. **BOOLE** [KMG+01]. **Boolean** [KMG+01]. **Bottleneck** [CARB15, DKMM23]. **Bound** [Ata99, BS05, BHLL10, DHT15, KS02, KPS13, Ror19]. **Boundaries** [DMMH11]. **Boundary** [AAH+11, DG99, KU10, KMG+01, NZ06, STYK01]. **Boundary-Optimal** [NZ06]. **Bounded** [AR19, BL03, BSX09, CL13, DK08, FOX08, GOG11, LW04, RSS+05]. **Bounded-Velocity** [DK08]. **Boundedness** [BM12]. **Bounds** [Afs13, AHM+06, BK17, CMO03, CER97, DG16, LOS01]. **Box** [BD05, FM99, ZE02]. **Boxes** [AK99, SU13, Zhu97]. **Braid** [Sto21]. **Branching** [HSKK98]. **Bregman** [AMV13]. **Brep** [Van91, MG98]. **Brep-index** [Van91]. **Bridge** [BG05, Tan02]. **BSP** [SPP08]. **BSPs** [DMS10]. **Buffer** [DG01]. **Buildings** [EHP18]. **Butterfly** [KS99].

CAD [BBCS99]. **Calculations** [BBR09]. **Cameras** [KM11]. **Cartesian** [LSB04, SOR06]. **Cartograms** [DMS10]. **Cascading** [BFS01]. **Case** [DKS05, TV01]. **Catalog** [ADM11]. **Catalog-Based** [ADM11]. **Cell** [ACGK17, HREK07]. **Cells** [GHH+98]. **Cellular** [LSB04]. **Center** [BHLM03, BKN+11, GKS99, WZ16, WZ18]. **Centerpoints** [MRM15]. **Centers** [AKKS14]. **Central** [ADS00]. **Centre** [DK06]. **Centres** [DK08]. **Centroid** [ESS11, YLL18]. **Chains** [BBB+10, DLMS13]. **Characteristics** [GW04]. **Chessboard** [SPPK08]. **Chief** [Lee03]. **Chimneys** [CDD+12]. **Choices** [PW01]. **Circle** [BFMFP+14, BE00, Epp97, KKS05, WTX02]. **Circles** [AS01, BCD+00, HL04, KKS05, SW01]. **Circular** [AAH+11, DH13, WJA20]. **City** [BKC09, GSW08]. **Class** [RS11]. **Classes**

[BV05]. **Classification** [AGM+12]. **Close** [SYI00]. **Closed** [BKL17, GSa20, HREK07, SVY16]. **Closest** [Bes03]. **Cloud** [MNG04]. **Clouds** [ULVH10]. **Clustering** [BVL11, BBG+11, CSX05, KK10, MMNM07, WCMS04]. **Clusters** [Guh05]. **Collections** [Sit06]. **Collision** [GR03b, KSS02]. **Color** [DGN09]. **Color-Spanning** [DGN09]. **Colorability** [AAH+15]. **Colored** [BS16, BS17, DP02]. **Coloring** [FK18, dBLM+19]. **Colorings** [AS08a]. **Coloured** [BHLL10]. **Column** [AO98, DO00, MO01, O'R97a, O'R97b, O'R97c, O'R98, O'R99b, O'R99a, O'R00a, O'R00b, O'R00c, O'R01, O'R02, O'R03, O'R04a, O'R04b, O'R06, O'R07]. **Combinations** [KMG+01]. **Combinatorial** [AHO+14, CR01, CER97, DFL+18, FG04, MS06, Nab21, SZP10]. **Common** [Rab05, SU13, Wan09, YCCV17]. **Commuting** [BBG+11]. **Compact** [BBCK05, Kan97a]. **Compass** [KL10a, VR04]. **Compatible** [CLR07, CLRW10]. **Competitive** [BDDT17, GR10]. **Complete** [BMKS00, BG14, Emi98, OGB11]. **Completion** [ZG06]. **Complex** [DGRS08, ELPZ07, GRS08]. **Complexes** [ALS12, CC06, EW00, GK20, Maf14, ÓWW00]. **Complexity** [BBR09, GR10, GM99, GMV99]. **Complicated** [RS07]. **Component** [CWW08]. **Compressive** [GIPR12]. **Computable** [CCK+06]. **Computation** [BFS01, EMM98, FR98, GC97, Gui22, Hiy08, LS08, Löf11, vKLSW18]. **Computational** [AO98, AAH+11, DO00, JS09, MO01, O'R97a, O'R97b, O'R97c, O'R98, O'R99b, O'R99a, O'R00a, O'R00b, O'R00c, O'R01, O'R02, O'R03, O'R04a, O'R04b, O'R06, O'R07, Pet98]. **Computing** [AKS+12, AKKS14, AH11, ABD+11, AS08b, AL01, AEK05, BSC99, BSC00, DG13, Bes03, BMT99, BCD+00, BL03, BMSS11, BHLM03, CK97a, DMOW98, DR02, Emi98, FSS+97, Gav09b, GKK+10, GKS99, KG14, Kir07, KS99, KYZ14, Kra20, MB02, MR03, TV01, WLW01, WZ18, WNGK+12, dF18]. **Concepts** [PW01]. **Conceptual** [SOR06]. **Condition** [KU10]. **Conditional** [BK17]. **Configuration** [HLM99]. **Configurations** [BK07]. **Conflict** [AS08a, FK18, dBLM+19]. **Conflict-Free** [AS08a, FK18, dBLM+19]. **Conflicting** [SZP10]. **Conforming** [MMG01]. **Congruence** [BK02]. **Conic** [GW04]. **Conjectures** [MRM15]. **Conjugacy** [Sto21]. **Connected** [AACT17, CK97b]. **Connecting** [AC01, BG05]. **Connection** [ACGK17]. **Conquer** [PL04]. **Consistency** [SOR06]. **Constrained** [DDL+10, GOG11, GBRT13, KS99, RSS+05, TW06, WZ16, ZG06, DEG+03]. **Constraint** [GBRT13, JTNM06, SM06, SZP10, TW06, ZG06]. **Constraints** [AAMT15, BvR19, CARB15, CWW02, MS06, VB05, Yan06, YLL18, DEG+03]. **Constructing** [BDGT13, CDWK01, DN97, GSW08, GOG11, THI99]. **Construction** [BKC09, BET99, GSZ11, HDY07, LW04, LHHHP03, MSB19, Wen02]. **Constructive** [Goo98]. **Contact** [FPNZ98, LM97]. **Contain** [BSX09]. **Containers** [AS18]. **Containing** [EEM11, KS13]. **Containment** [BHP01]. **Continuous** [BDBF+14, EFS09, HREK07, WIEH05]. **Contours** [DG03, HSKK98]. **Contraction** [Goo98]. **Contractions** [AGL09]. **Controlled** [HL04]. **Convex** [AH11, AS18, AFN11, BRD09, BHLO11, BBC+02, BDM+20, BHLM03, BS00, Cha12, CWKC98, CDWK01, CL17, CT97, Cho99, CK97b, DKS05, DKMM23, Emi98, GSa20, GHH+98, HS02, HDY07, KS02, KPS13, LR00, MS99, MGR09, MHW00, NY98, PS19, RR00, Sha01, TWC06, TO21, Tat23, VO98, Żak10, Zhu97, KNA94]. **Convexity** [Ror19]. **Convolution** [MS07b]. **Coordinate**

[Yan06]. **Coresets** [FS08, dFdSdF17]. **Corners** [DW02]. **Corrigendum** [THI99]. **Cost** [FOG00, LWZ17, WKG10]. **Cost/Benefit** [FOG00]. **Counting** [AB09]. **Countries** [SV10]. **Counts** [BHLO11]. **Cover** [AACKM11, BS05, BS00, CHW02, DFLON12, EC15, GSa20, KPS13]. **Coverage** [AMP10, ACS18, LWZ17, iN23]. **Covered** [GHH+98]. **Covering** [ACFV10, Col04, Jia15, Kei97, KBA11, LWŻ12, Mit97, Por09]. **Creation** [ESG98]. **Criteria** [AAK+06]. **Critical** [DGRS08]. **Cross** [EW00]. **Cross-Sections** [EW00]. **Crossing** [CARB15, DE12, KSN99, Pap99, TSN97]. **Crossings** [KKY00]. **CSG** [MG98]. **Cubes** [ABD+18]. **Culling** [DP03]. **Cumulative** [Gui22]. **Curvature** [BL03, CGJS11, GBRT13, Maf14]. **Curvature-Based** [CGJS11]. **Curvature-Constrained** [GBRT13]. **Curve** [BD05, CGJS11, FR98, GGBK21, HL97, HV91, Sch16]. **Curve/Curve** [FR98]. **Curved** [AS08b, Sha01]. **Curves** [BKL17, BK17, CD03, DW02, GSa20, GMMW19, HREK07, HH08, MS07a, SVY16, SV01]. **Curvilinear** [APS00]. **Cut** [TO21]. **Cut-Locus** [TO21]. **Cutting** [DL06, DH13]. **Cycles** [AFK+10, Dey97, DL07, KKY00, WNGK+12]. **Cyclic** [ACW22]. **Cylinder** [Cha02, FSS+97]. **Cylindrical** [Ber04, Zhu04a]. **Cylindricity** [DP03].

D [BBCS99, DEG+03, ADM11, BS16, CM11, EMM98, ELPZ07, FM99, For95, GLS10, GGBK21, HSS05, kLkHsL+23, RW11, RR00, TW06, Zhu04a]. **D-Range** [kLkHsL+23]. **Dams** [SV10]. **Data** [ACC+12, AKKS14, ALS12, BYM+18, CSX05, CW12a, EGS08, FIS08, GJS09, JS09, MTT99, MNG04, Tou05, WCMS04]. **Database** [Bar98, JMM98]. **Dataflow** [SPP08]. **DBSCAN** [dBGR19]. **DCEL** [Bar98]. **Deceiving** [San09]. **Decision** [AMM+98]. **Decompose** [TW06]. **Decomposition** [CR01, FM01, GGBK21, HL98, JTNM06, KS02, SM06, WK07, WDBB09, ZG06, FM97]. **Decompositions** [Sha97a, Sha97b]. **Deficiency** [Sha01]. **Definition** [vKLSW18]. **Deformation** [CC06]. **Deforming** [Ber04]. **Degeneracy** [MS22]. **Degenerate** [MSB19]. **Degree** [AHO+14, AR19, BSX09, HLW13, LW04, Rab05, dF18]. **Delaunay** [ABG+09, ACH+12, BDG13, BDG14, BSX09, BDDT17, Dev02, DEG+03, DN18, For95, GJ21, GOG11, LS08, MPW05, Müc98, MMG01, RW11, STÜ07]. **Deletion** [AFK+10, Dev02]. **Density** [CSX05]. **Density-Based** [CSX05]. **Departure** [San09]. **Dependent** [GJ21, MJ12]. **Depth** [DFL+18, KMW00]. **Depth-First** [KMW00]. **Derived** [GJS03]. **Descending** [AL11]. **Design** [AAMT15, PW01, SOR06]. **Destroying** [SV10]. **Detect** [Dey97]. **Detecting** [BBG+11]. **Detection** [CWW08, GR03b, KSS02, MSB19, MS22, Wu09]. **Determinant** [CKMK03]. **Determination** [LM97]. **Determine** [VB05]. **Determined** [BK07]. **Determining** [Che98, Gav09a]. **Detour** [WNGK+12]. **Developments** [SU13]. **Diagram** [BKC09, BS12, BBB+10, DG98, DBGV06, ETT08, Gav09b, GJ21, GSW08, HDY07, KS05, KKS05, NS09, PL01, PL04, PD13, PX15, SPPK08, SV16]. **Diagrams** [AAC+99, AGMR98, BC06, BK14, BKL17, EH19, GJS03, MMR01, Sug92, SI94, VO98]. **Diameter** [Cha02, MB02, Poo09, Jan93]. **Diameter-4** [Poo09]. **Diameters** [Als97]. **Diamond** [BSX09]. **Diamonds** [BDE02]. **Differential** [CP05]. **difficult** [Dev92]. **Digital** [BBCS99]. **Dihedral** [KV23]. **Dilation** [AFK+10, CL13, DG16, EBGK+07, GKK+10]. **Dilation-Bounded** [CL13]. **Dilation-Optimal** [AFK+10]. **Dimension** [CWW08, CVY11, VO98]. **Dimensional** [AB09, AS18, AK99, BSC00,

BK02, CD03, Emi98, Gav09b, HQYD22, JJ06, KS05, Kir07, Müc98, dBGR19]. **Dimensions** [AM07, ALS12, BBCK05, DB92, EEM11, HDY07, IMTI02]. **Directed** [DGL+00, Fra08]. **Direction** [JJ10, Ngu12]. **Direction-Length** [JJ10, Ngu12]. **Directional** [CvO01, FOX08]. **Directions** [BNS10, VR04]. **Disc** [CCK+06]. **Disconnected** [BK14]. **Discrete** [AKS+12, BDIZ03, BBB+10, DFLON12, DDCN13, EFS09, WKG10, WZ20, WCLS07, Wu09, Xu06]. **Discs** [AS08a, CWKC98]. **Disjoint** [KBA11]. **Disk** [BDJ10, DG13, BHLL10, DFLON12, KS13, dFdSdF17]. **Disk-Shaped** [DG13]. **Disks** [AFN11, BDP08, BVL11, CDG+09, CDJ+15, DDCN13, Gui22, iN23]. **Dispersion** [BGK+09]. **Dissections** [Żak10]. **Distance** [AKS+12, AS08b, BHP01, BBB+10, BKST00, BK17, DGRS08, GMMW19, Gui22, KS11, Kra20, Maf14, MJ12, Yan06, YLL18]. **Distances** [BK07, Cha01, KN20]. **Distant** [AEK05]. **Distributed** [Gui22, LSS98, LDHX20]. **Distribution** [BK07, Gui22]. **Distributions** [MTT99]. **Divide** [PL04]. **Division** [HL98]. **Dog** [DG98]. **Domain** [GGBK21, MS99]. **Dominance** [GJSD97]. **Dominating** [CDJ+15]. **Doo** [WQS05]. **Door** [KZ10, LPC00]. **Dot** [JPV21]. **Double** [BFMFP+14, GKS99]. **Double-Ray** [GKS99]. **Doubly** [DMMH11]. **Drawing** [BMT00, BGT99, DE12, DGL+00]. **Drawings** [CK97b, Fra08, GR03a, HLW13, MHN06, NPR17, Sud04]. **Duality** [ABR14]. **Dynamic** [BI21, BG14, Cha12, DBGV06, EGS08, FIS08, IST20, kLkHsL+23, LM97, dBLM+19]. **Dynamically** [GM98]. **Dynamization** [CT92].

Easy [DR02]. **Eccentricity** [DK06]. **Edge** [AFK+10, AGL09, BHLO11, BFL21, CARB15, Che98, GHN+03, HS02, KLV21, kLkHsL+23, SM00, Tan99]. **Edge-Crossing** [CARB15]. **Edge-Length** [BFL21]. **Edges** [AT18, GMMW19]. **Editor** [CL09, DBKU14, Aga99, Asa09, Bar05, Bar13, Efr08, Fle06, For97, Her01, Hon18, Kim09, KS07, Lee03, Mit04, Rok09, Sug03, Tam03, Ten00, Tok02, Tok19, Zha07, Zhu04b, dBS02]. **Editors'** [CÜ05, AV14, AF98, AC08, AMS97, ANO13b, CHL13, CO12, GM06, Gav05, kHsLtT23, HN11, HV12, KS16, LM98, MR05, SK08, dBDE17]. **Efficiency** [FOG00]. **Efficient** [ACKT01, AM07, ALS12, CD03, Dey97, GR03a, GJS09, KNA94, KC97, LW04, LM97, LR00, MS22, Tat23, VB05, WCMS04, Wu09, WDBB09, ZP01]. **Element** [MHW00]. **Elements** [DNW+09]. **Eliminating** [HV91]. **Ellipses** [ETT08]. **Ellipsoids** [SYI00]. **Embeddability** [BV13, DDL+10]. **Embedded** [ADF13, CP05]. **Embedding** [ADF13, BFMFP+14, DL07, EBGK+07]. **Embeddings** [KK05]. **Empty** [DBHM+03, FSS+97, KS13, MR03]. **Enclosed** [MGD15]. **Enclosing** [BMSS11, Cha02, FG04, MNP+00, NN09]. **Enclosure** [BMSN19, GJSD97]. **Energy** [EFKM08]. **Energy-Aware** [EFKM08]. **Engineering** [FPNZ98, TV01]. **Entities** [vKLSW18]. **Enumerating** [Cha01, CR01, IMTI02]. **Enumeration** [Tat23, KNA94]. **Envelopes** [CNTV10]. **Environment** [ABC+15, Bar98, CL93]. **Environments** [DEH+05, LM97]. **Equilateral** [ADD+13]. **Equitable** [BK18]. **Equivalence** [APS00]. **Equivalent** [ÓWW00]. **Errata** [EC15, Sha97a]. **Error** [BYM+18, CMO03, KL10a]. **Error-Prone** [KL10a]. **Estimate** [KLV21]. **Estimating** [CFL15, MNG04, RW11]. **Estimation** [MNP+00]. **Euclidean** [AR19, BC06, CSY97, DN97, DK08, EFS09, ETT08, Gav09b, Gui22, KKS05, dBGR19]. **Euler** [GK20]. **Evaluation** [FPNZ98, KMG+01, MS22, WQS05].

Evaluations [DP03]. **Evasion** [ABC+15, GLL+99]. **Even** [BDH+04]. **Every** [DE12]. **Exact** [AL11, AS01, BG05, BFS01, DD00, ETT08, Gui22, RR00, Tat23]. **Exchangeability** [Sto21]. **Existence** [Löf11]. **Expansive** [HLM99]. **Expected** [ELPZ07]. **Expensive** [KN20]. **Experimental** [DGL+00, LHHHP03]. **Explicit** [Gav09b]. **Extended** [TO21]. **Extending** [DMMH11]. **Extensions** [Ngu12]. **Exterior** [BRD09]. **External** [CFM+01, Nek13]. **External-Memory** [CFM+01]. **Externally** [BMT99]. **Extra** [BM02]. **Extract** [GW04]. **Extracting** [DG03]. **Extraction** [HREK07]. **Extraneous** [HV91]. **Extreme** [Guh05]. **Eye** [NŻ20].

Face [AHO+14, BHLO11, DMMH11]. **Faces** [Res14]. **Facets** [CR01]. **Facility** [BMKS00, BKST00, DK06]. **Factor** [WTX02, WNGK+12]. **Factor-** [WTX02]. **Families** [Fra08]. **Far** [AAMT15]. **Far-Field** [AAMT15]. **Faraway** [LS08]. **Farthest** [BD05, PD13, WZ19]. **Fast** [DN97, DW02, FS08, GMMW19, HH12, MMNM07, MSB19, Nek13, TW06, ZE02]. **Faster** [Epp97, GSW08, dBGR19]. **Fault** [BI22]. **Fault-Tolerant** [BI22]. **Feature** [CCD06, JH04b, RW11]. **Features** [GIPR12, JMM98]. **Fidelity** [Mit00]. **Field** [AAMT15]. **Filling** [GGBK21]. **Finding** [ADS00, AM07, BD05, BDGW10, BG05, CWKC98, CM10, DKMM23, EEM11, FKNN17, FMR05, KZ10, KS13, LYW97, LLCC11, Mit97, Tan02, YCCV17]. **Finite** [CFL15, MHW00]. **Finite-Element** [MHW00]. **First** [KMW00]. **Fitting** [AAK+06, CW12a, Da 11, ULVH10]. **Fixed** [BBL08, CVY11]. **Flashlight** [LSS02]. **Flats** [CHU14, Da 11]. **Flexible** [Sch16]. **Flipping** [GHN+03]. **Flips** [AHO+14]. **Floating** [Gav09b, JS09]. **Floating-Point** [Gav09b, JS09]. **Flooding** [NZ06, SV10]. **Floodlight** [BGL+97]. **Floodlights** [AECSU98, BDBF+14]. **Flow** [DGRS08, GJS03, GRS08, MH00]. **Flow-Complex-Based** [DGRS08]. **Folding** [ADD+13, ABD+18, BDGT13, FOX08]. **Footprints** [EHP18]. **Forest** [kLkHsL+23]. **Forests** [KK05]. **Foreword** [Aga99, AV14, AF98, AC08, AMS97, Asa09, ANO13b, Bar05, Bar13, CHL13, CL09, CO12, CÜ05, DBKU14, Efr08, Fle06, For97, GM06, Gav05, Her01, kHsLtT23, HN11, Hon18, HV12, Kim09, KS16, KS07, LM98, MR05, Mit04, Rok09, Sug03, SK08, Tam03, Ten00, Tok02, Tok10, Tok19, Zha07, Zhu04b, dBS02, dBDE17]. **Form** [APS00, CM11, HREK07, MG98]. **Formed** [Sha99, Sit06]. **Four** [AHO+14]. **FPT** [ECHS11, EC15]. **FPT-Algorithms** [ECHS11]. **FPTAS** [Kir07]. **Frames** [MS03]. **Frameworks** [JJ10, Ngu12, OP10]. **Fréchet** [AKS+12, BBB+10, BK17, GMMW19, Sch16, SVY16]. **Free** [ACCS04, AS08a, CM11, FK18, HREK07, MG98, MSB19, dBLM+19]. **Free-Form** [CM11, HREK07, MG98]. **Friend** [BDE02]. **Fully** [kLkHsL+23, dBLM+19]. **Fully-Dynamic** [dBLM+19]. **Function** [CW12a, Gui22, JJ06]. **Functions** [BKST00, Kra20]. **Furthest** [MMR01].

Gabriel [KG14]. **Galleries** [BI21, CJK+06, KM11]. **Gallery** [WK07]. **General** [BCHS07, Emi98, FKNN17, IMTI02]. **Generalization** [Zer12]. **Generalized** [CHL+06, HH12, LOS01, WKG10, Wen02]. **Generalizing** [BV05]. **Generation** [MTT99, Sch00, TW00]. **Generic** [JJ10, Ngu12]. **Geodesic** [AHK+14, BVL11, FKMW22]. **Geodesic-Preserving** [AHK+14]. **Geodesics** [Tat23]. **Geoexploration** [PW01]. **Geometric** [APS00, AMM+98, AHM+06, AGR16,

BGK+09, BI22, BFS01, CLLP09, CS06, CDK01, CHL+04, CSX05, CHL+06, Che10, CFM+01, EHP19, FOX08, GKK+10, GJ21, GW04, Guh05, GJS09, GIPR12, JMM+23, JTNM06, KL10b, KTT02, LSS98, MST13, MTT99, MJ12, Pet98, SOR06, Sha97a, Sha97b, SZP10, TV01, Tou05, TW06, ULVH10, VB05, XYZK10, ZG06, dFdSdF17]. **Geometrical** [SM06]. **Geometry** [AO98, CP05, DO00, ESG98, Goo98, JS09, MO01, O'R97a, O'R97b, O'R97c, O'R98, O'R99b, O'R99a, O'R00a, O'R00b, O'R00c, O'R01, O'R02, O'R03, O'R04a, O'R04b, O'R06, O'R07, WCLS07, Wu09]. **Geosheet** [LSS98]. **Ghost** [CDD+12]. **Global** [JJ10, Maf14, Ngu12, Yan06]. **Good** [DB92, VR04]. **GPDOF** [TW06]. **Graph** [ACC+12, ABG+09, BMT00, BGT99, DE12, NPR17, ÓWW00, Roy16]. **Graphics** [HHMK14]. **Graphs** [ADD+13, ABG+09, ACW22, ADF13, ABR14, BDJ10, BV13, BEW03, BvR19, BS00, CK97b, DGL+00, DL07, EBGK+07, EHP18, FM99, FK18, Fra08, DDL+10, GKK+10, HH12, JMM+23, JPV21, KL10b, KG14, MHN06, SM00, Tou05, dF18, dFdSdF17, BDD+12, BDH+12]. **Greedily** [NPR17]. **Greedy** [GSZ11]. **Grid** [BFMFP+14, CY17, CK97b, DIL10, EvKSS15, KNA94]. **Grid-Unfolding** [CY17]. **Grids** [EW00]. **Group** [SM06]. **Groups** [vKLSW18]. **Growing** [CM10]. **guarantee** [FMR05]. **Guaranteed** [CMO03]. **Guard** [BRD09, FLMS18, THL98]. **Guarding** [BI21, BNS10, CJK+06, DKK09, KM11]. **Guards** [AMP10, PLC02, Tan99]. **Guest** [Aga99, AV14, AF98, AC08, AMS97, Asa09, ANO13b, Bar05, CHL13, CO12, CÜ05, Efr08, Fle06, GM06, Gav05, Her01, kHsLtT23, HN11, Hon18, HV12, Kim09, KS16, KS07, LM98, MR05, Rok09, Sug03, SK08, Tam03, Ten00, Tok02, Tok19, Zha07, Zhu04b, dBS02, dBDE17]. **Guided** [DNW+09].

Half [Vig12]. **Half-Planes** [Vig12]. **Hamilton** [KKY00]. **Hamiltonian** [Nar99]. **Hard** [BHP01, BG11a, BZ14, BDH+04, GKK+10, Roy16]. **Hardness** [KG14, MHS07]. **Harm** [BMKS00]. **Hausdorff** [AS08b, BHP01, KS11, Kra20, PL04, PX15]. **Hazard** [Gui22]. **HDBSCAN** [dBGR19]. **Heavy** [AHP08]. **Helly** [CPRS18]. **Helly-Type** [CPRS18]. **Hexahedra** [KV23]. **Hexahedral** [Sch00]. **Hidden** [GMV99]. **Hidden-Surface** [GMV99]. **Hierarchical** [AM07]. **Hierarchy** [Ber04]. **High** [ALS12, HQYD22, HLW13, Mit00, MH00]. **High-Degree** [HLW13]. **Higher** [ABG+09]. **Hinged** [CVG+07]. **Histogram** [FM97]. **Holes** [SM00]. **Homeomorphic** [ACDL02]. **Homeomorphism** [CLRW10, ÓWW00]. **Homologous** [Dey97]. **Homology** [ACW22, CFL15]. **Homothetic** [AK99]. **Homotopic** [CJVW12]. **Homotopy** [SFM07]. **Homotopy-Preserving** [SFM07]. **Horizons** [AEK05]. **Hull** [ACCS04, CWKC98, KPS13, NY98]. **Hulls** [Cha12, Emi98, Pet98, RR00]. **Hybrid** [CKMK03]. **Hypercube** [Ata99]. **Hypersphere** [BM12].

I/O [Afs13]. **Identification** [CCD06]. **Identifying** [BBR09]. **if** [DR02]. **II** [JH04b]. **Ill** [BBR09]. **Ill-Posed** [BBR09]. **Illumination** [AECSU98, DHT15, EFKM08]. **Image** [ACKT01, CWW02, WCLS07]. **Immobilizing** [CVG+07, CSU99]. **Implementation** [AM07, Emi98, FS08, MMNM07, Müc98]. **Implicit** [ESG98, HYSC18]. **Impossibilities** [BHMW11]. **Imprecise** [AKS+12, GLS10, Löf11]. **Improved** [Afs13, Ata99, BM02, BK17, CY17, EvKSS15, GC97, Goo98, KLV21].

Improvement [FOG00]. **Improving** [ACH+12, Tou05]. **Inaccurate** [CK97a]. **Incidence** [MS06]. **Incidences** [Sit06]. **Incongruent** [SU13]. **Incremental** [SI94, THI99]. **Independent** [BDJ10, GJ21]. **Index** [Ano97, Ano98, Ano99, Ano00, Ano01, Ano02, Ano03, Ano04, Ano05, Ano06, Ano07, Ano08, Ano09, Ano10, Ano11, Ano12, Ano13a, Ano14, Ano15, Ano16, Ano17, Ano18, Ano19, Ano20, Ano21, Ano22, Ano23, Van91]. **Indicators** [Ber00]. **Induced** [EHP18]. **Inducing** [SS11]. **Inequality** [AMV13]. **Infimaximal** [MS03]. **Inflating** [BG11a]. **Information** [CK97a, DDE+07, Wis00]. **Inner** [MHN06]. **Input** [AKS+12, EHP19]. **Inscribed** [Gav09a]. **Instance** [Tou05]. **Instance-Based** [Tou05]. **Instances** [BBR09]. **Integer** [DD00, KNA94]. **Intended** [VB05]. **Intensity** [CHW+08, WDBB09]. **Intensity-Modulated** [CHW+08, WDBB09]. **Interconnection** [LYW97]. **Interiors** [Bin02]. **Interpolation** [Hiy08, Pro22]. **Intersecting** [HS02, MGR09]. **Intersection** [BDJ10, BDGT13, CFM+01, DG99, FK18, GJS09, HYSC18, JMM+23, MC91, dFdSdF17]. **Intersections** [CGG+12, ZE02]. **Interval** [LWZ17, MF06, Mit00]. **Interval-Based** [MF06]. **Intervals** [dBLM+19]. **Intervisibility** [MVV07]. **Invariant** [KS11, LD15]. **Invariants** [GW04]. **Inverse** [ZWG06]. **Involving** [BM12]. **Irregularities** [Guh05]. **ISODATA** [MMNM07]. **Isomorphic** [KU99]. **Isomorphism** [ÓWW00]. **Isosceles** [BMSS11]. **Isothetic** [MGR09]. **Iteration** [BM12].

Joint [Guh05].

Keep [NŻ20]. **Kinematics** [ZWG06]. **Kinetic** [KSS02, dBLM+19]. **Kinodynamic** [RS11]. **Kleitman** [Zer12]. **Krieger** [Zer12].

Label [Gav09a, KT03, ZP01]. **Labeling** [BG14, CLL05, DMM02, KSY+01, KNN+02, SW01, WTX02, ZP01]. **Labels** [KSY+01]. **Laguerre** [HYSC18]. **Laguerre-Intersection** [HYSC18]. **Laplace** [Xu06]. **Large** [DKMM23]. **Largest** [BCD+00, DBHM+03, FSS+97, KS13, MR03, YCCV17]. **Lattice** [Lab08, Poo09]. **Layer** [LYW97]. **Layered** [FM01, Sud04, WCLS07]. **Layout** [EvKSS15]. **Leaf** [CHL+04, CHL+06]. **Leapfrog** [ABC+15]. **Learning** [NN09, Tou05]. **Least** [GSa20]. **Leaving** [KL10a]. **Lebesgue** [BS05]. **Lemmas** [AGR16]. **Length** [BFL21, JJ10, Ngu12]. **Level** [AGM+12, BYM+18, FN05]. **Library** [Gui22]. **Like** [BS12, MS03]. **Likely** [CCMS19, SV16]. **Line** [ACGK17, BS12, BBB+19, BMT99, CLL05, CW12b, CFM+01, DK99, GR10, GR03a, KMW00, LHHHP03, MGR09, PD13, SS11, WLW01, WZ16, Wis00, CL93]. **Line-Constrained** [WZ16]. **Line-of-Sight** [BBB+19]. **Line-Segment** [PD13]. **Linear** [AGM+12, LWŻ12, WZ20, dFdSdF17]. **Linear-Time** [LWŻ12, WZ20, dFdSdF17]. **Lines** [CDKW05, DL06, LHHHP03, MS03]. **Link** [ADS00, CT97]. **Linked** [DMMH11]. **List** [DMMH11]. **Lists** [DG99]. **Lithographic** [SPPK08]. **Local** [BDM+20, GIPR12, RW11]. **Locally** [KG14]. **Locating** [AMP10, AFN11, CW12b]. **Location** [BMKS00, BKST00, CL17, DG98, DK06, IM12, CT92]. **Locations** [KZ10]. **Locus** [TO21]. **Logarithmic** [KS99]. **Long** [GMMW19]. **Longest** [KLV21]. **Longest-Edge** [KLV21]. **Look** [MS03]. **Low** [LW04, dF18, dBGR19]. **Low-Dimensional** [dBGR19]. **Lower** [Afs13, AHM+06, BS05, BHLL10, BK17, DG16, KPS13, LOS01]. **Luggage** [AHP08].

Machine [Afs13, LDHX20, NN09]. **Machining** [WIEH05]. **Maintaining** [DDE+07, Jan93]. **Maintenance** [Sha97a, Sha97b]. **Make** [KZ10]. **Making** [MS03]. **Manhattan** [GSZ11]. **Manifolds** [CLR07, Dey97, DMMH11]. **Manipulation** [MST13]. **Manufacturing** [FM01]. **Many** [CM10]. **Map** [CLR07, CLRW10, EvKSS15, KSY+01]. **Mapping** [RS07]. **Mappings** [CMO03]. **Maps** [BCHS07, BS16, BS17, SV15]. **Marginal** [DLOP06]. **Maskless** [SPPK08]. **Matability** [BS08]. **Matching** [AAR97, BK17, CARB15, CHW+08, EvKSS15, JH04b, Sch16]. **Matchings** [BHP16]. **Matrices** [CKMK03]. **Matrix** [WDBB09]. **Matroid** [JJ06]. **MAX** [Wan15]. **Max-Volume** [EHP18]. **Maximal** [AFN11]. **Maximally** [GHH+98]. **Maximize** [MGD15]. **Maximizing** [BRD09, CDG+09, DKS05]. **Maximum** [BDJ10, EH19, Gav09a, JMM+23, KLV21, LWZ17, Mit97, WNGK+12]. **Maze** [KL10a]. **Meaningful** [DG03]. **Means** [FS08, HH08, WZ16]. **Measure** [Ror19, Wil15]. **Measured** [FOG00]. **Measures** [DFL+18, GM99]. **Measuring** [BYM+18]. **Mechanical** [FPNZ98, JMM98]. **Medial** [EMM98, GRS08, SFM07]. **Median** [WZ16]. **Medical** [WCLS07]. **Melzak** [Wen02]. **Memory** [CFM+01, Nek13]. **Mesh** [AGL09, Ber00, CMO03, FOG00, Sch00, TW00]. **Meshes** [AM07, Ber00, BBCK05, JH04a, JH04b, MHW00, RSS+05]. **Meshing** [BE00, CDRR05, MH00, SBBC00]. **Method** [BMT00, CCD06, Goo98, HYSC18, San09, VB05, CT92]. **Methods** [ESG98, FPNZ98, LHHHP03, Tou05]. **Metric** [ACC+12, AHP08, ETT08, KN20, SPPK08, WZ20, Wil15]. **Milling** [ACM01]. **Min** [AAK+06, BHP01, EHP18]. **Min-** [EHP18]. **Min-/Max-Volume** [EHP18]. **Min-Hausdorff-Distance** [BHP01]. **Min-Sum** [AAK+06]. **Minimal** [BMKS00, DEG+03, GC97, GBRT13]. **Minimization** [HSKK98]. **Minimizing** [AACKM11, LWZ17]. **Minimum** [ACGK17, AGLN03, BFMFP+14, BBL08, BDE02, CDJ+15, Cha02, CL13, CT97, Col04, ECHS11, EC15, Fra08, GKK+10, GSZ11, Jia15, KKY00, MS99, MGR09, TWC06, WLW01]. **Minimum-Bends** [ECHS11]. **Minimum-Dilation** [GKK+10]. **Minimum-Width** [Cha02]. **Mining** [Tou05]. **Minkowski** [BBR09, LLCC11, MS07b, MS10]. **Mitered** [WJA20]. **Mixed** [RS99]. **MMP** [TO21]. **Mobile** [DK06, DK08, GR10]. **Model** [GMV99, LYW97]. **Modeling** [MG98, SPP08, TW06]. **Modelling** [SOR06]. **Models** [AMM+98, BBCS99, Goo98]. **Modem** [DHT15]. **Moderate** [BL03, CKMK03]. **Moderate-Sized** [CKMK03]. **Modular** [RS11]. **Modulated** [CHW+08, WDBB09]. **Molecular** [ZWG06]. **Monochromatic** [DP02]. **Monotone** [AC01, BBB+19, EW00]. **Monotonic** [MS07b]. **Monotonicity** [BV05]. **Morphing** [Ber05, Bes02]. **Morphological** [WR07]. **Most** [AHO+14, CCMS19, SV16]. **Motion** [CDG+09, Cho99, GR10, HL97, KS10, RS11]. **Motorcycle** [HH12]. **Mountain** [CHW+08]. **Moving** [AGMR98, BDIZ03, DG98, DDE+07, LWZ17, WG21, vKLSW18]. **Multi** [AACKM11, FN05, FOX08, GR03b, SM06, WIEH05]. **Multi-Axis** [WIEH05]. **Multi-Directional** [FOX08]. **Multi-Group** [SM06]. **Multi-Level** [FN05]. **Multi-Particle** [GR03b]. **Multicriteria** [GGBK21]. **Multidimensional** [CFL15, EGS08, KS10, Van91]. **Multiple** [ACM01, HL98, HLM+14]. **Multiple-Robot** [HL98]. **Multiple-Tool** [ACM01]. **Multisearching** [Ata99]. **Mutual** [ABR14].

n [HDY07]. **Natural** [Hiy08]. **Navigating** [CCJV17, CL93]. **Navigation** [ACFV10].

NC [WIEH05]. **NC-Machining** [WIEH05]. **Near** [AMV13]. **Nearest** [BD05, CVY11, KS11, SV16, Tou05, Wan15, WZ19]. **Nearly** [BNS10]. **Nearly-Opposite** [BNS10]. **Necklace** [SV15]. **Necklaces** [Ber04]. **Neighbor** [AM07, CVY11, Hiy08, KS11, SV16, Tou05, Wan15]. **Neighborhoods** [EFS09]. **Neighbors** [AMV13, WZ19]. **Net** [WCLS07]. **Network** [BC06, MH00]. **Networks** [AACT17, CLLP09, GSZ11]. **News** [VR04]. **Nice** [AH11]. **No** [kLkHsL+23]. **No-Back-Edge-Traversal** [kLkHsL+23]. **Noisy** [ACC+12, MNG04, ULVH10]. **Non** [GJS09, Kei97, MTT99, Pap99, Pro22, SOR06, Sto21, TSN97, Tat23, WQS05]. **Non-Cartesian** [SOR06]. **Non-Conjugacy** [Sto21]. **Non-Convex** [Tat23]. **Non-Crossing** [Pap99, TSN97]. **Non-Intersection** [GJS09]. **Non-Piercing** [Kei97]. **Non-Rational** [Pro22]. **Non-Uniform** [MTT99, WQS05]. **Nonintersecting** [AC01]. **Nonobtuse** [Epp97]. **Nonparametric** [DLMS13]. **Nonpositive** [Maf14]. **Nonrectangular** [AB09]. **Nonsmooth** [Cho99]. **Norm** [EH19]. **Normal** [CLR07]. **Normal-Compatible** [CLR07]. **Normal-Map** [CLR07]. **Normals** [MNG04]. **Normed** [WNGK+12]. **Note** [FMHT14]. **Notice** [Lee03]. **NP** [BG11a, BZ14, GKK+10, Roy16]. **NP-Hard** [BG11a, BZ14, GKK+10, Roy16]. **Null** [Dey97]. **Null-Homologous** [Dey97]. **Number** [AH19, Col04, EC15, FMHT14, KKY00, KU99, MGD15, MS99, dBHOvK97]. **Numerical** [For95]. **NURBS** [BXHN03].

O [Afs13]. **Object** [CCMS19, DGN09, GMV99]. **Objects** [AS08b, AS18, APS00, AGR16, BSC00, CW12b, NY98, PL04]. **Obnoxious** [BMKS00, CW12b]. **Obstacle** [CT97]. **Obstacles** [AC01, BL03, CCK+06, KSN99, LYW97]. **Obtaining** [dFdSdF17]. **Obtuse** [FMHT14]. **Octilinear** [MHS07]. **Octree** [Sch00]. **Octree-Based** [Sch00]. **Offsets** [WJA20]. **Omino** [AH19]. **On-Line** [GR10, LHHHP03, CL93]. **One** [LPC00]. **Onion** [BS12]. **Online** [BBC+02, BDDT17, KS10, Jan93]. **Onto** [RS07]. **Operations** [HV91, JJ10]. **Operator** [Xu06]. **Operators** [SBBC00]. **Opposite** [BNS10, GBRT13]. **Optimal** [AFK+10, AKM+17, AAF10, BKC09, BD05, BKST00, Bes02, BG05, CHW02, CM10, CT97, DMS10, DK12, DK99, GC97, HDY07, KG14, KK10, NZ06, RR00, RS11, SV01, Tan02, Wu09, WDBB09, Xu06]. **Optimal-Ratio** [Wu09]. **Optimality** [IM12]. **Optimally** [WZ20]. **Optimization** [ACKT01, CS06, GR03b, HQYD22, KTT02, LD15]. **Optimization-Based** [ACKT01]. **Optimized** [GGBK21]. **Oracle** [EFKP13]. **Oracle-Based** [EFKP13]. **Order** [ABG+09, ACK+16, AKM+17, BMvR16, GR03a]. **Order-Preserving** [GR03a]. **Ordered** [GR03a]. **Orderings** [ACK+16, AKM+17]. **Orientation** [BZ14]. **Orientations** [GBRT13]. **Oriented** [MR03, SI94]. **Origin** [EEM11]. **Orthogonal** [AECSU98, BI21, BMT00, BHLO11, BG11b, CY17, KM11, Kei97, MJ12, Nek13, SU13, SM00, WK07, WDBB09]. **Orthostacks** [DIL10]. **Other** [CFM+01, Fra08, dFdSdF17]. **Outer** [DE12]. **Outer-** [DE12]. **Outerplanar** [DL07]. **Outliers** [CW12a, Da 11, HQYD22]. **Output** [EFKP13, KMW00, NY98]. **Output-Sensitive** [EFKP13, NY98]. **Overlap** [CDG+09]. **Overlaying** [JH04a, JH04b].

p4 [AH19]. **p4-Tilings** [AH19]. **Packed** [BK17]. **Packing** [AS18, BE00, BHLL10, EFK+07, Epp97, SYI00, TWC06]. **Pair** [KSN99]. **Pairs** [Pap99]. **Pairwise**

[BK07, WCMS04]. **Parabola** [CEK+07]. **Parallel** [BET99, CDKW05, Che98, CWKC98, MGD15, SPP08, Seg99, STÜ07, Zhu97]. **Parallelization** [CR01]. **Parallelizing** [TMPD95, TMPD97]. **Parameter** [BBL08]. **Parameterizations** [GW04, WJG97]. **Parametric** [BD05, KTT02, SYI00]. **Pareto** [CNTV10]. **Part** [JH04a, JH04b]. **Partial** [BMSN19, BFL21, Sch16]. **Particle** [GR03b]. **Partition** [AGLN03, CM11, MS99]. **Partitioning** [DP02, GHH+98, NPR17, VR04, Van91]. **Partitions** [DK12, DD00, DKK09, KK05, MS14]. **Parts** [DP02]. **patches** [BXHN03]. **Path** [CCK+06, CDK01, CM10, CT97, DN18, GGBK21, HLM99, WIEH05]. **Paths** [ACH+12, AL11, AC01, BL03, CM10, CJVW12, CSY97, DL07, DR20, GBRT13, KSN99, LYW97, Pap99, TSN97, WZ20, WNGK+12]. **Pathwidth** [Sud04]. **Patterns** [BBG+11]. **Peeling** [CLX03]. **Permutations** [ABD+11]. **Persistent** [ACW22, CFL15, DG99]. **Perspectives** [TW00]. **Perturbation** [HL04]. **Perturbations** [BDG14]. **Phase** [BMT00]. **Pieces** [MS99]. **Piecewise** [GOG11, HREK07]. **Piercing** [AK99, DDCN13, Kei97, Seg99]. **Placement** [BRD09, Gav09a, KT03, MMG01]. **Places** [BDGW10]. **Placing** [MGD15]. **Planar** [AB09, ADF13, ABR14, AAK+06, BS12, BHP16, BCHS07, CW12b, CL17, CK97b, DDE+07, DN18, FW03, Fra08, GR03a, DDL+10, GKS99, HREK07, HL97, IM12, LW04, Maf14, MST13, NY98, CT92, FMR05, Jan93]. **Plane** [ADD+13, BC06, BDP08, BV13, BK18, CER97, DK12, DE12, DG16, EBGK+07, GJS03, GBRT13, KKY00, KU10, KSN99, LHHHP03, MHN06, SJ99, TSN97, Wan15, WZ16, WZ18, WZ19, Yan23, YLL18]. **Planes** [Rab05, Vig12]. **Planning** [Cho99, GR10, GGBK21, HL97, HLM99, KS10, RS11]. **Plans** [DG13]. **Point** [AAR97, ACK+16, AKM+17, AGM+12, BD05, BV13, BK07, BK02, BS00, BG14, CHU14, CW12a, CL17, CGG+12, DEH+05, DG98, DK99, DDE+07, DMM02, DP02, DKMM23, EBGK+07, EGS08, EvKSS15, FMHT14, Gav09b, DDL+10, GKS99, Gui22, GJSD97, IM12, JS09, Kan97b, KS13, KBA11, Kir07, LS08, MB02, MNG04, MMG01, MJ12, PS19, Ror19, Roy16, Sit06, ULVH10, Wis00, WTX02, YCCV17, ZP01, CT92, Jan93]. **Point-Dominance** [GJSD97]. **Point-Placement** [MMG01]. **Point-Set** [BV13, DDL+10, Jan93]. **Pointed** [AHO+14]. **Pointer** [Afs13]. **Pointerless** [AM07]. **Points** [AGMR98, AAK+06, AAF10, BDIZ03, BDBF+14, Bes03, BI22, BM12, BK18, BDGT13, CDKW05, CDWK01, CLL05, Col04, Da 11, DP03, DGRS08, DK06, EC15, FKNN17, GJS03, Jia15, KK05, KU10, KNN+02, KU99, Löf11, MGD15, SJ99, SW01, WZ18, Zhu04a, dBLM+19, KNA94]. **Pointsets** [MRM15]. **Poisson** [DN18]. **Poly** [ABD+18]. **Polycubes** [AB09]. **Polygon** [AACKM11, AHK+14, BRD09, BHP01, BMT99, BVL11, BHLM03, BNS10, CK97a, Che98, CHW02, CvO01, HL98, MGR09, Pap99, SPPK08, VR04, WK07, KNA94]. **Polygonal** [AFK+10, ABC+15, AC01, BBB+10, CD03, CT97, CGJS11, CMO03, DEH+05, DLMS13, EHP18, HH08, LSS02, LPC00, MS99, PL04, SVY16, STYK01]. **Polygones** [Gui22]. **Polygons** [AECSU98, AT18, ABD+11, AMP10, AFN11, BS08, BBB+19, BG05, BHLO11, BV05, CVG+07, CNTV10, CT97, DL06, DH13, DR20, HS02, IST20, Kei97, KS02, KSS02, LR00, MHW00, Nar99, NPR17, Poo09, SS11, Sha01, SM00, Tan99, Tan02, TWC06, THL98, WJA20, Żak10]. **Polygons/Trees** [Poo09]. **Polyhedra** [AH11, BHLO11, BG11b, Bin02, BV05,

CY17, CDRR05, Guh05, Vig12, Zhu97]. **Polyhedral** [BSC00, Bar98, GHH+98, GK20, TMPD97, dBHOvK97, TMPD95]. **Polyhedron** [Res14, TO21, Tat23, WLW01]. **Polyline** [AAK+06]. **Polylines** [Ber05, Bes02]. **Polymatroid** [KTT02]. **Polynomial** [BGK+09, BL03, KYZ14, SV01]. **Polynomial-Time** [BGK+09, BL03, KYZ14]. **Polynomials** [Pro22]. **Polyominoes** [ABD+18, AB09, Yan23]. **Polytopes** [CR01, EFKP13, GHH+98]. **Popular** [BDGW10]. **Posed** [BBR09]. **Position** [FKNN17]. **Positions** [DMM02]. **Positively** [EHP19]. **Possibilities** [BHMW11]. **Postman** [DG98]. **Practice** [RS99, TW00, FMR05]. **Precise** [HREK07]. **Precision** [FR98]. **Predicate** [MS22]. **Predicates** [ETT08, MSB19]. **Preprocessors** [SZP10]. **Presence** [BvR19]. **Preservation** [JH04b]. **Preserving** [AHK+14, GR03a, HHMK14, JJ10, SFM07]. **Price** [BMvR16]. **Pricing** [CLLP09]. **Primitive** [Che10]. **Primitives** [MST13]. **Principal** [CWW08]. **Printing** [GGBK21]. **Prisms** [KV23]. **Probabilistic** [BDIZ03, Gui22]. **Problem** [Als97, AAMT15, BBR09, BGK+09, BV13, BBL08, BGL+97, BS05, BKN+11, BZ14, CARB15, CDJ+15, DFLON12, DDCN13, DBHM+03, DHT15, EFS09, GLL+99, LWŻ12, iN23, WKG10, Wen02, WK07, WDBB09, XLYB04, YLL18]. **Problems** [Afs13, AR19, AHM+06, BMSS11, CS06, Cha12, CDK01, CHW02, CHL+04, CHL+06, CFM+01, DG99, DG98, FLMS18, FSS+97, GR10, GJSD97, HSS05, JS09, KPS13, KK10, Maf14, MNP+00, MJ12, Por09, WZ16, WCLS07, Wu09, ZG06, Dev92]. **Product** [JPV21, LSB04]. **Products** [JMM98]. **Programming** [Bar98, DD00, KNA94]. **Projection** [ACFV10, HQYD22]. **Projections** [AH11, BHLO11, EFKP13]. **Prone** [KL10a]. **Properties** [ABG+09, BEW03, BvR19]. **Property** [CPRS18]. **Protein** [FOX08]. **Provable** [CWW08]. **Provably** [Mit97]. **Proximity** [HLW13, KL10b, Tou05, dF18, BDH+12]. **Pseudo** [AHO+14, AAH+15]. **Pseudo-Triangulations** [AHO+14, AAH+15]. **Pseudomanifolds** [DMMH11]. **Pspace** [BG14]. **Pspace-Complete** [BG14]. **Pursuit** [ABC+15, BBB+19, GLL+99]. **Pursuit-Evasion** [ABC+15, GLL+99]. **Push** [DG13].

Quadrangular [MHW00]. **Quadrangulations** [PS19]. **Quadratic** [DNW+09, GW04, WJG97]. **Quadrics** [WJG97]. **Quadrilateral** [BE00, MH00, RSS+05]. **Quadtrees** [BET99, EGS08]. **Quality** [BET99, Ber00, CDRR05, MH00]. **Quantile** [MNP+00]. **Queries** [CEK+07, CVY11, CT97, GJS09, kLkHsL+23]. **Query** [CDK01, KS13, MMS97]. **Query-Sensitive** [MMS97].

Radial [ACK+16, AKM+17]. **Radiation** [CHL+04, CHL+06, CHW+08, WDBB09]. **Radius** [WZ20]. **Random** [Gui22, HQYD22]. **Randomization** [Dev92]. **Randomized** [CFM+01, MS22]. **Range** [Afs13, BMSN19, FN05, FPNZ98, KS05, kLkHsL+23, MJ12, Nek13]. **Ranges** [FN05]. **Rank** [JJ06]. **Ratio** [Wu09]. **Rational** [GW04, HREK07, Pro22, WJG97]. **Ratios** [BFL21]. **Ray** [GKS99, Goo98, KYZ14, MMS97]. **Rays** [DL06]. **Reaching** [CvO01, Kan97b]. **Recognition** [Roy16]. **Recognizing** [BV05, EHP19]. **Reconciling** [SZP10]. **Reconfigurable** [RS11]. **Reconstructing** [ACK+16, AKM+17, BHLO11, EHP19]. **Reconstruction** [ACC+12, AT18, ACDL02, BBCS99, DW02,

DGRS08, FKMW22, Wis00, DEG+03]. **Recovery** [HQYD22]. **Rectangle** [FM99, GJSD97, MR03]. **Rectangles** [Gav09a, Kei97, KBA11, KNN+02, Seg99]. **Rectangular** [ACS18, DD00, DKK09, MHN06, Por09, Wan09]. **Rectilinear** [AC01, DMS10, GC97, KSY+01, LYW97, TSN97, WZ18]. **Red** [AC01, BK18, HSS05]. **Red-Blue** [HSS05]. **Reducing** [BBR09]. **Reduction** [CHW+08, Rab05]. **Reference** [AAR97]. **Refined** [vKLSW18]. **Refinement** [Lab08, MPW05, RW11, STÜ07]. **Refinements** [MHW00]. **Reflector** [AAMT15]. **Reflex** [ACCS04]. **Reflex-Free** [ACCS04]. **Region** [DKS05, Gav09a, LSS02, MVV07, STYK01, Wu09]. **Regions** [ACS18, BK14, CJVW12, CCJV17, NPR17, TSN97, FMR05]. **Regular** [Guh05]. **Related** [Afs13, Als97, BMSS11, DG98, FSS+97]. **Relations** [Wan09]. **Removal** [GMV99, Lab08]. **Reparametrization** [SV01]. **Reporting** [Afs13, CGG+12, Nek13]. **Representation** [AAH+11, ADM11, JMM98, Kan97a, MG98, DMMH11]. **Representations** [BBCK05, Sha97a, Sha97b, Sha99]. **Representatives** [Sto21]. **Representing** [ALS12]. **Resemblance** [KC97]. **Resilience** [KYZ14]. **Resolving** [Sit06]. **Respect** [dBLM+19]. **Restricted** [AGL09]. **Restrictions** [MH00]. **Resultant** [EFKP13]. **Results** [Ben23, KG14]. **Reverse** [CVY11]. **revised** [Van91]. **Revisited** [CDJ+15, DGN09, GJSD97, PX15]. **Revolution** [WG21]. **Right** [DE12]. **Rigid** [CDG+09, Sit06]. **Rigidity** [JJ06, JJ10, Ngu12, OP10]. **Rings** [Seg99]. **River** [Sug92]. **Robot** [ACFV10, GR10, HL97, HL98, Kan97b, KS10]. **Robots** [DG13, RS11]. **Robust** [DLMS13, LDHX20, MNP+00, Müc98, SI94]. **Roofs** [EHP18]. **Room** [KZ10, LPC00, PLC02]. **Rooted** [KK05]. **Rotating** [BDBF+14, Vig12]. **Rotational** [BSC00]. **Round** [DR02]. **Rounding** [GM98]. **Roundness** [DR02, DP03, San09, SJ99]. **Routable** [NPR17]. **Route** [WKG10]. **Routes** [THI99]. **Routing** [BBC+02, BDDT17, BDM+20, HL97]. **Ruled** [WG21]. **Ruler** [GSS23]. **Rules** [HS02].

Sabin [WQS05]. **Sail** [NS09]. **Salesman** [EFS09, XLYB04]. **Sampled** [BYM+18]. **Sampling** [CFL15, DGRS08, FIS08]. **Saw** [DH13]. **Scalar** [BYM+18]. **Scale** [ULVH10]. **Scallop** [BBB+19]. **Scans** [BBCS99]. **Scattered** [CCJV17]. **Scenes** [dBHOvK97]. **Scheduling** [OGB11]. **Schemes** [MG98]. **Sculptured** [KMG+01]. **Search** [FN05, KS05, KS11]. **Searchable** [KZ10]. **Searcher** [LPC00]. **Searching** [BMSN19, FPNZ98, LSS02, LPC00, PLC02, SV16, STYK01, Vig12, Wan15]. **Searchlight** [OGB11]. **Sections** [EW00, GW04]. **Seen** [CCMS19]. **Segment** [ADS00, ACGK17, BHP01, BMT99, CGG+12, CFM+01, PD13, Wis00]. **Segmentation** [ACKT01, CWW02, WCLS07]. **Segments** [AAF10, Bes03, BCD+00, DG99, DK12, KMW00, KS99, MS03, MGR09, PL01, WLW01, XLYB04, XYZK10, Zhu04a]. **Seismic** [Gui22]. **Selected** [CP05]. **Selecting** [Cha01]. **Selection** [AGR16, LLCC11, ULVH10]. **Self** [RS11]. **Self-Reconfigurable** [RS11]. **Semi** [Ben23, KK05, MS07a]. **Semi-Algebraic** [MS07a]. **Semi-Balanced** [KK05]. **Semi-Symmetric** [Ben23]. **Sensing** [GIPR12]. **Sensitive** [EFKP13, KMW00, MMS97, NY98]. **Sensors** [KYZ14]. **Sentinel** [LS08]. **Separability** [AHM+06, AGM+12, HSS05].

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