

# A Complete Bibliography of Publications in the *Journal of Computational Geometry*

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](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

13 August 2020  
Version 1.01

## Title word cross-reference

**4-regular** [BR15].

**ABA** [KP19]. **ABA-free** [KP19]. **abstract** [KP19]. **actually** [Dev11]. **Adjacency** [BEL<sup>+</sup>16]. **Adjacency-preserving** [BEL<sup>+</sup>16]. **admit** [PSW14]. **affine** [GGLT13]. **algebraic** [BB17, BL15].

**Algorithm** [Wan20, CS12, CW15, KS11, TW16].

**Algorithms** [FK20, MM15, ABdB<sup>+</sup>15, AKP<sup>+</sup>17, AMRW11, BEGM20]. **Aligned** [KP20]. **All-pairs** [CS19a]. **almost** [BCD<sup>+</sup>16]. **among** [DKK<sup>+</sup>17]. **analysis** [MR13]. **anarchy** [GZ12]. **angle** [CS12]. **angle-constrained** [CS12]. **angles** [ADD<sup>+</sup>18]. **angulation** [PSW14]. **antithickness** [DW18]. **application** [BDD<sup>+</sup>13]. **Applications** [Cha18, ADF18,

1 [BD16]. 1.88 [ABB<sup>+</sup>16]. 2 [BEKT16, CW19]. 3 [HI20, HSW19, NPR16].  $B_2$  [BD16].  $d$  [Tan11].  $k$  [BS14, MR13, PSW14].  $L_1$  [CIW16, Wan20].  $\mathbf{R}^3$  [SV15, Sch16].  $O(\sqrt{n})$  [DH16].  $\Theta_6$  [BDD20].

**-angulation** [PSW14]. **-connected** [NPR16]. **-manifold** [BEKT16]. **-manifolds** [CW19, HI20, HSW19]. **-means** [MR13]. **-non-degenerate** [BS14]. **-representability** [Tan11]. **-spanner** [ABB<sup>+</sup>16]. **-string** [BD16]. **-VPG** [BD16].

**1.5D** [FHKS16].

BS14, DKT17, FK12, JR16, dBOS13]. **approach** [KP19]. **approaching** [NPR16]. **Approximability** [BM16]. **Approximate** [CS19b, Dum11]. **Approximating** [AdBK17, CKLS12]. **approximation** [BVX15, SV15, Sch16]. **arc** [DEG<sup>+</sup>18]. **area** [AdBK17, BKR12, CW19, dBCC<sup>+</sup>19]. **areas** [Kle18]. **arrangements** [DM20, Ort15]. **Array** [AD18]. **Array-based** [AD18]. **aspects** [Kön14]. **average** [CKLS12, DLS17]. **axis** [SV15, Sch16].

**ball** [MM15]. **balls** [BBM<sup>+</sup>18, Epp17]. **barcodes** [BL15]. **based** [AD18, BB17, DKT17, DC19]. **bases** [BCFN17]. **better** [KPT17]. **between** [CW19]. **bichromatic** [AMR15]. **bipartite** [CF18]. **black** [dBRS12]. **black-box** [dBRS12]. **blockers** [PW10]. **blue** [BGL19]. **bound** [GJM12]. **boundary** [HI20]. **bounds** [BN12, DM20]. **box** [dBRS12, dBCC<sup>+</sup>19]. **Bregman** [MR13].

**Canonical** [ADF18]. **capturing** [AU16]. **case** [GTH14b, MR13]. **cell** [TW16]. **centerlines** [BN12]. **centers** [Wan18]. **Central** [vKLS17]. **characterizations** [AMR15]. **characterizing** [ES15]. **Chebyshev** [Cha18]. **Cheeger** [GS15]. **Chief** [CR10]. **chord** [NPR16]. **circle** [BR15, GTH14a, GTH14b]. **circle-representations** [BR15]. **circles** [GTH14a, GTH14b]. **circular** [KN19]. **Classifying** [BLN17]. **Cluster** [WW20]. **clustering** [MR13, OPW20]. **coins** [ABC<sup>+</sup>18]. **collectors** [DGGT16]. **collinear** [DDF<sup>+</sup>18]. **colorful** [CKMU13]. **coloring** [BBM<sup>+</sup>18, KP19]. **Colouring** [FMW12]. **Combinatorial** [BEGM20]. **compact** [AD18, HI20]. **Competitive** [BFvRV17]. **complete** [ADGL16, BG19, CF18, Ort15]. **complex** [Ker13]. **complexes** [ADGL16, BDT14, OPW20, Tan11]. **Complexity** [BDD20, BEGM20, BBM<sup>+</sup>18, BGL19, DGGT16, GJM12, KLPS17, dBHT10]. **Computational** [Kön14, Cha18]. **computations** [DHLS13]. **Computing** [CSZ10, FHH<sup>+</sup>17, FHH<sup>+</sup>18, WN10, BKM<sup>+</sup>18, CS12, CW15]. **conditions** [ACD<sup>+</sup>16]. **configurations** [CCI<sup>+</sup>19]. **confluent** [EHL<sup>+</sup>16]. **conjecture** [BR15, Gru14]. **Connected** [LM11, NPR16]. **connectivity** [Epp19, dBRS12]. **Conquer** [Wan20]. **Consistent** [GNR16]. **Constant** [AMRW11, BVX15, DVW19]. **constant-factor** [BVX15]. **Constant-work-space** [AMRW11]. **constrained** [CS12, KN19]. **constraints** [BFvRV17]. **construction** [BB17, Epp11]. **contact** [AdCC<sup>+</sup>12]. **containers** [AdBK17]. **containing** [KS15]. **continuous** [FHKS16]. **convergence** [CFL<sup>+</sup>15]. **convex** [AdBK17, ABB<sup>+</sup>16, BCCS10, BCD<sup>+</sup>16, DGGT16, DHPT14, KKT15, NPPZ13, TW16, dBRS12]. **convexity** [FHKS17]. **core** [DDF<sup>+</sup>14]. **Cost** [WW20]. **counterexample** [Gru14]. **Counting** [Wet17]. **Cover** [AdCC<sup>+</sup>12, BP16, HPL12]. **Covering** [AAD<sup>+</sup>14, dBCC<sup>+</sup>19, BBG15, BVX15, GTH14a, GTH14b]. **coverings** [KP15]. **crossing** [Wet17]. **crossing-free** [Wet17]. **crossings** [KN19]. **cube** [FP18]. **currents** [IKV16]. **curvature** [DVW19]. **curves** [BH16, CW19, Hav11, Hav17, Sch16]. **cusped** [TW16]. **cycle** [BCFN17]. **cycles** [CCL16]. **cylinder** [ADF18].

**data** [AD18]. **Declutter** [BDWW18]. **decomposing** [KP15]. **decomposition** [GZ12, IKV16, LM14, TW16]. **degenerate** [BS14]. **Degree** [KPT17, BBD<sup>+</sup>17]. **Delaunay** [BDT14, BCCS10, Dev11, DH16, KP20, dBRS12]. **Delaunay-graphs** [KP20]. **denoising** [BDWW18]. **Density** [AU16, DC19]. **depth** [ABDF<sup>+</sup>11]. **determined** [FMW12]. **Determining** [HI20]. **detour** [WN10]. **diagrams**

- [BB17, BKM<sup>+</sup>18, BEGM20, BDT14, BDD<sup>+</sup>13, BKR12, DC19, SdMPS19]. **dimension** [KRW19, Kön14, Tan11]. **dimensional** [Cha18, GS15, Hav17]. **dimensions** [DK15]. **directed** [CCL16]. **discrete** [BM16, FK20, GS15]. **discretization** [FHKS16]. **disjoint** [Epp17]. **disk** [CS19b, KS15, PP11]. **disks** [BVX15, BBM<sup>+</sup>18, Epp17, GKP<sup>+</sup>16, KP20]. **distance** [BM16, CS19b, FK20, Kön14, vKLW20]. **distances** [NPPZ13]. **distinct** [NPPZ13]. **divergences** [MR13]. **Divide** [Wan20]. **Divide-and-Conquer** [Wan20]. **Domains** [Wan20, Wan18]. **Drawing** [DDF<sup>+</sup>18, Kle18, BB17, EHL<sup>+</sup>16]. **drawings** [ADF18, CF18, DEG<sup>+</sup>18, KP20, NPR16]. **dual** [Ker13].
- edge** [ADD<sup>+</sup>18, BF20, FHH<sup>+</sup>18]. **edge-length** [BF20]. **Editors** [CD15, CR10, FL17]. **Editors-in-Chief** [CR10]. **embedded** [BCFN17]. **Embedding** [Ker13, Epp11]. **embeddings** [dBOS13]. **emergence** [GZ12]. **empty** [DHPT14]. **encodings** [CCI<sup>+</sup>19]. **endings** [Epp10]. **enumerating** [Wet17]. **equal** [GTH14a, GTH14b]. **estimating** [KRW19]. **estimation** [DC19]. **Euclidean** [Dum11, Sol15, TW16]. **exact** [BBG<sup>+</sup>18]. **Expected** [BDD20, DC19]. **exponential** [GJM12]. **extension** [BDD<sup>+</sup>13].
- face** [Kle18]. **faces** [KKT15]. **factor** [BVX15, BCCS10, BCD<sup>+</sup>16, CKLS12]. **farthest** [BDD<sup>+</sup>13]. **farthest-point** [BDD<sup>+</sup>13]. **fast** [Dev11, Epp11, LM14]. **Fat** [dBOS13]. **feed** [BDD<sup>+</sup>13]. **feed-link** [BDD<sup>+</sup>13]. **filling** [Hav11]. **Finding** [CCL16, KS15]. **Fine** [BBM<sup>+</sup>18]. **Fine-grained** [BBM<sup>+</sup>18]. **fixed** [KS11, Tan11]. **fixed-parameter** [KS11]. **Flat** [ADD<sup>+</sup>18, IKV16, ADF18, Epp19, IKV13].
- flip** [Epp10]. **Flow** [DHLS13]. **foldability** [ADH<sup>+</sup>20]. **folded** [AAD<sup>+</sup>14, BH16]. **foldings** [ADD<sup>+</sup>18, Epp19]. **Forcing** [Ort15, ACD<sup>+</sup>16]. **Foreword** [CD15, FL17]. **Four** [KBK<sup>+</sup>20, KPT17]. **fragmentation** [Hav11]. **framework** [DKT17]. **Fréchet** [FK20, vKLW20, BM16]. **free** [BDWW18, KP19, Wet17]. **Function** [WW20].
- Gauss** [MRZ16]. **generalized** [KP20]. **geodesic** [Wan18]. **geometric** [ABdB<sup>+</sup>15, AMRW11, BP16, CS19a, CKLS12, FK12, Gru14, HPL12, Wet17, WN10]. **geometry** [Cha18, DKT17]. **geometry-based** [DKT17]. **get** [Dev11]. **Good** [PP11]. **grained** [BBM<sup>+</sup>18]. **graph** [BKvRV18, KN19, WN10]. **Graphs** [BDD20, KBK<sup>+</sup>20, ADD<sup>+</sup>18, ADF18, AdCC<sup>+</sup>12, BBD<sup>+</sup>15, BR15, BD16, BCFN17, BF20, BCCS10, CCL16, CF18, CS19a, CS19b, CW15, CKLS12, DDF<sup>+</sup>18, DW18, Epp10, Epp19, ES15, FK12, KP20, Kle18, LM11, NPR16, PP11, Wet17]. **grouping** [BBvK<sup>+</sup>15]. **growth** [CDM<sup>+</sup>16]. **guarantees** [AD18]. **Guarding** [BG19, GKKV14, FHKS16]. **Guest** [CD15, FL17].
- Hales** [Gru14]. **Half** [BDD20]. **Half-** [BDD20]. **Happy** [Epp10]. **hard** [ADH<sup>+</sup>20]. **Hausdorff** [DDF<sup>+</sup>14, Kön14, vKLW20]. **Hierarchical** [WW20, CDM<sup>+</sup>16]. **high** [DK15]. **Higher** [GS15]. **Hilbert** [BH16, Hav17]. **hitting** [KP19]. **homology** [BCFN17]. **homotopy** [CW19]. **hulls** [DGGT16, MM15, dBRS12]. **hyper** [Ker13]. **hyper-rectangular** [Ker13]. **Hyperbolic** [BDT14]. **hyperbolicity** [HI20]. **hypergraphs** [AU16, KP19]. **Hyperorthogonal** [BH16]. **Hyperplane** [FHKS17, DK15].
- II** [GTH14b]. **implies** [CDM<sup>+</sup>16].

**imprecise** [Dev11, DHLS13, LM14]. **Improved** [BKM<sup>+</sup>18, WW20, BBD<sup>+</sup>15]. **Incidences** [BS14]. **increasing** [NPR16]. **increasing-chord** [NPR16]. **incremental** [Epp11]. **Indeed** [KBK<sup>+</sup>20]. **indexing** [Het15]. **Induced** [BL15]. **inequalities** [Dum13, GS15]. **integral** [IKV16]. **interference** [DKK<sup>+</sup>17]. **intersection** [CS19a, FK12]. **intersections** [MM15]. **isocontours** [BBG<sup>+</sup>18]. **isolating** [GKP<sup>+</sup>16]. **issue** [FL17].

**Jewett** [Gru14].

**kernel** [DC19]. **Kinetic** [dBRS12]. **knot** [SdMPS19].

**label** [OPW20]. **labeling** [GNR16]. **landscapes** [CFL<sup>+</sup>15]. **large** [ABDF<sup>+</sup>11]. **largest** [KS15]. **layouts** [KN19]. **Lebesgue** [BBG15]. **length** [BF20, FHH<sup>+</sup>18]. **lengths** [ADD<sup>+</sup>18]. **light** [Sol15]. **line** [ADF18]. **linear** [KS15, Sch16, dBHT10]. **link** [BBG<sup>+</sup>18, BDD<sup>+</sup>13, KLPS17]. **little** [Hav11]. **local** [BFvRV17, GKKV14]. **logarithmic** [KS15]. **logspace** [BEKT16]. **Lombardi** [DEG<sup>+</sup>18]. **Lovász** [BR15]. **low** [Cha18]. **low-dimensional** [Cha18]. **lower** [DM20, GJM12]. **LP** [Gär15]. **LP-type** [Gär15].

**made** [BDT14]. **Making** [CKMU13]. **Manhattan** [Epp11, KS11]. **manifold** [BEKT16, KRW19]. **manifolds** [CW19, HI20, HSW19]. **many** [DDF<sup>+</sup>18, Hav17, dBCC<sup>+</sup>19]. **maps** [GNR16, dBHT10]. **matching** [BEGM20]. **matchings** [AMR15, BL15]. **Maximizing** [Epp17]. **maximum** [DHPT14, KKT15, WN10]. **maxmin** [FHH<sup>+</sup>18]. **means** [MR13]. **Measuring** [CW19]. **mechanical** [GTH14a]. **medial** [SV15, Sch16]. **medial-axis** [SV15, Sch16]. **median** [DLS17]. **Metric** [Dum13, Koz14].

**Minimax** [KRW19]. **Minimizing** [KN19]. **Minimum** [BCFN17, BKR12, DHPT14, AdBK17, BBG<sup>+</sup>18, FHH<sup>+</sup>17, KS11, KLPS17]. **minimum-area** [AdBK17]. **minimum-link** [BBG<sup>+</sup>18, KLPS17]. **Minkowski** [KKT15]. **model** [dBRS12]. **modelled** [DVW19]. **models** [GTH14a]. **moving** [DKK<sup>+</sup>17]. **multi** [BP16, BVX15]. **multi-cover** [BP16]. **multi-covering** [BVX15]. **multidimensional** [CSZ10].

**Near** [Sch16]. **Near-linear** [Sch16]. **Necessary** [KBK<sup>+</sup>20]. **Network** [BDD<sup>+</sup>13, KS11]. **networks** [BBG<sup>+</sup>18]. **non** [BS14, CCL16]. **non-trivial** [CCL16]. **nonsimple** [FHH<sup>+</sup>17]. **norm** [IKV13, IKV16]. **normed** [MM15]. **NP** [ADH<sup>+</sup>20, ADGL16, BG19]. **NP-complete** [ADGL16, BG19]. **NP-hard** [ADH<sup>+</sup>20]. **number** [DM20, KKT15, NPPZ13].

**obstacles** [CW15]. **octants** [KP15]. **off** [AKP<sup>+</sup>17]. **offs** [BKM<sup>+</sup>18]. **onion** [LM14]. **onions** [LM14]. **optimal** [CS12, FHKS16, vKLW20]. **Optimally** [Epp11]. **oracles** [CS19b]. **ordering** [ADF18]. **orientable** [HI20, KGL19]. **origami** [ACD<sup>+</sup>16, Epp19]. **Orthogonal** [BG19, EM14]. **overlap** [CDM<sup>+</sup>16].

**packing** [AdBK17, GHK<sup>+</sup>17]. **Pages** [KBK<sup>+</sup>20]. **pair** [GZ12]. **pairs** [CS19a]. **papers** [FL17]. **parallel** [AMR15]. **parameter** [BDWW18, KS11]. **parameterized** [BGL19]. **Part** [GTH14a, GTH14b]. **Partial** [GTH14a, GTH14b]. **partitions** [BLN17, DHPT14, Ker13, dBOS13]. **Path** [Wan20, AEK<sup>+</sup>16, CIW16, HP16, KLPS17]. **paths** [BBG<sup>+</sup>18, CS19a, CS19b, GJM12]. **Pattern** [CDM<sup>+</sup>16]. **perimeter** [FHH<sup>+</sup>17]. **periodic** [ADF18]. **persistence** [BL15, CSZ10, CFL<sup>+</sup>15, DC19].

**perturbation** [DKT17]. **Placing** [ABC<sup>+</sup>18]. **Planar** [DEG<sup>+</sup>18, KBK<sup>+</sup>20, BR15, BD16, BF20, DDF<sup>+</sup>18, Epp11, GHK<sup>+</sup>17, Kle18, NPR16]. **plane** [ADD<sup>+</sup>18, ABB<sup>+</sup>16, BBD<sup>+</sup>17, CW15, CIW16, Epp11, KPT17, KP20, WN10]. **planes** [MM15]. **Point** [Wan20, BDD<sup>+</sup>13, CCI<sup>+</sup>19, CIW16, FMW12, FHKS17, KS15, LM11, PSW14]. **Points** [ABDF<sup>+</sup>11, ABB<sup>+</sup>16, BGL19, Dev11, GKP<sup>+</sup>16, LM14, dBCC<sup>+</sup>19]. **poly** [DEG<sup>+</sup>18]. **poly-arc** [DEG<sup>+</sup>18]. **polychromatic** [KP19]. **polygon** [AKP<sup>+</sup>17, HP16, NPPZ13]. **Polygonal** [Wan20, CW15, Wan18, dBOS13]. **polygons** [AdBK17, DDF<sup>+</sup>14, Dum13, FHH<sup>+</sup>17]. **polyhedra** [BCD<sup>+</sup>16, EM14]. **Polyhedral** [MRZ16]. **polyline** [vKLW20]. **polynomials** [Cha18]. **polymino** [BKR12]. **polytope** [GLMP16]. **polytopes** [DHPT14, KKT15, MRZ16]. **position** [ABB<sup>+</sup>16]. **practical** [AD18, BDT14]. **preprocess** [Dev11]. **preprocessing** [LM14]. **prescribed** [ADD<sup>+</sup>18, Kle18]. **preserving** [BEL<sup>+</sup>16]. **probabilistic** [FHKS17]. **problem** [BBG15, DDF<sup>+</sup>14, FHKS16, KS11]. **problems** [AMRW11, DKK<sup>+</sup>17, Gär15, HPL12, KLPS17]. **Progressive** [ABdB<sup>+</sup>15]. **projection** [DLS17]. **projections** [Koz14]. **projective** [TW16]. **propagation** [OPW20]. **pseudo** [KP20]. **pseudo-disks** [KP20]. **pseudocircles** [Ort15]. **pseudohalfplanes** [KP19]. **pseudoline** [DM20]. **PTAS** [FHKS16]. **Ptolemaic** [Het15].

**quadrant** [ABDF<sup>+</sup>11]. **Qualitative** [DKT17]. **quality** [PP11]. **Quasi** [AMR15, BP16]. **Quasi-parallel** [AMR15]. **quasi-uniform** [BP16]. **Queries** [Wan20, AEK<sup>+</sup>16, CIW16]. **query** [Dev11, KS15]. **quickest** [AEK<sup>+</sup>16].

**radii** [Epp17]. **Ramsey** [Dum11]. **Random** [DK15, DH16, GLMP16]. **range** [AU16]. **rates** [KRW19]. **ratio** [BF20]. **ratios** [BBD<sup>+</sup>15]. **realistic** [dBHT10]. **Realization** [Epp19, PP11]. **recognition** [BEKT16]. **Recognizing** [ADGL16]. **rectangular** [AdBK17, Ker13]. **rectilinear** [LM11]. **Recursive** [Hav11]. **Recursively** [JR16]. **red** [BGL19]. **regular** [BR15, JR16]. **regularization** [GJM12]. **related** [DKK<sup>+</sup>17]. **removal** [Gär15]. **representability** [Tan11]. **representation** [BD16]. **representations** [BR15]. **resample** [BDWW18]. **revisited** [HPL12]. **Rigid** [ACD<sup>+</sup>16, ADH<sup>+</sup>20]. **rigidity** [GGLT13]. **road** [BBG<sup>+</sup>18]. **rotating** [GNR16]. **Routing** [BKvRV18, BDD20, BFvRV17]. **runaway** [CDM<sup>+</sup>16].

**Sampling** [Gär15, BP16]. **Scalable** [BBG<sup>+</sup>18]. **scale** [IKV13]. **Schnyder** [KGL19]. **search** [DK15, GKKV14]. **segment** [AEK<sup>+</sup>16]. **segments** [AMR15]. **selected** [FL17]. **self** [NPR16]. **self-approaching** [NPR16]. **sensors** [DKK<sup>+</sup>17]. **separability** [FHKS17]. **separated** [GZ12]. **separation** [BGL19]. **set** [BP16, FMW12, HPL12]. **sets** [ACD<sup>+</sup>16, BS14, FHKS17, KP19, LM11, PSW14]. **shallow** [KP19, Sol15]. **shapes** [AAD<sup>+</sup>14]. **shelf** [ABC<sup>+</sup>18]. **Shortest** [AEK<sup>+</sup>16, HP16, Wan20, CCL16, CS19a, CS19b, CIW16]. **shrinkable** [ADGL16]. **sided** [KN19]. **Silhouette** [GLMP16]. **silhouettes** [CFL<sup>+</sup>15]. **similarity** [CW19]. **simple** [AKP<sup>+</sup>17, BB17, BR15, DDF<sup>+</sup>14, EM14]. **Simpler** [KPT17]. **Simplices** [DVW19]. **Simplicial** [IKV13, OPW20, Tan11]. **simplification** [vKLW20]. **small** [dBCC<sup>+</sup>19]. **small-area** [dBCC<sup>+</sup>19]. **smooth** [Sch16]. **Smoothed** [DGGT16, MR13, dBHT10]. **SoCG2016** [FL17]. **solutions** [AD18, FHKS16]. **space** [AKP<sup>+</sup>17, AMRW11, BKM<sup>+</sup>18, HP16, Hav11]. **space-filling** [Hav11]. **spaces**

- [DVW19, Koz14]. **span** [Epp11]. **spanner** [ABB<sup>+</sup>16]. **Spanners** [FK12, BBD<sup>+</sup>17, CS12, GZ12, KPT17]. **spanning** [BBD<sup>+</sup>15]. **sparse** [GZ12]. **sparsification** [OPW20]. **spatial** [BEL<sup>+</sup>16]. **special** [FL17]. **Spectral** [OPW20]. **sphere** [BCD<sup>+</sup>16]. **stability** [BL15, FP18]. **Stable** [BEGM20]. **Stable-matching** [BEGM20]. **Steiner** [Sol15]. **Steinitz** [EM14]. **Stochastic** [CFL<sup>+</sup>15]. **storage** [KS15]. **straight** [ADF18]. **straight-line** [ADF18]. **stretch** [BCCS10, BCD<sup>+</sup>16, CKLS12]. **Strict** [EHL<sup>+</sup>16]. **strictly** [TW16]. **string** [BD16]. **structure** [BBvK<sup>+</sup>15, KGL19]. **structures** [AD18, dBRS12]. **subarrangements** [Ort15]. **subdivisions** [JR16]. **sublinear** [HP16]. **Subquadratic** [CCI<sup>+</sup>19, SV15, WN10]. **sum** [Epp17, KKT15]. **sums** [MRZ16]. **surface** [BCFN17, TW16]. **surface-embedded** [BCFN17]. **surfaces** [CCL16, KGL19]. **symbolic** [DKT17]. **symmetry** [MRZ16]. **systems** [CDM<sup>+</sup>16].
- Terrain** [BG19, ES15, FHKS16]. **terrains** [DHLS13, GKKV14, dBHT10]. **tessellations** [FP18]. **their** [BS14, BDD<sup>+</sup>13]. **theorem** [FP18, GHK<sup>+</sup>17]. **theorems** [Dum11, EM14]. **theoretical** [AD18]. **there** [Hav17]. **Thickness** [DW18]. **three** [Hav17, KKT15]. **three-dimensional** [Hav17]. **tight** [Epp11]. **tile** [CDM<sup>+</sup>16]. **tilings** [Hav11]. **Time** [AKP<sup>+</sup>17, BKM<sup>+</sup>18, Dev11, KS15, Sch16, WN10]. **Time-space** [AKP<sup>+</sup>17, BKM<sup>+</sup>18]. **Topological** [CF18]. **torus** [ADF18, HI20]. **trade** [AKP<sup>+</sup>17, BKM<sup>+</sup>18]. **trade-off** [AKP<sup>+</sup>17]. **trade-offs** [BKM<sup>+</sup>18]. **trajectories** [vKLS17]. **Trajectory** [BBvK<sup>+</sup>15]. **translation** [FK20]. **tree** [GHK<sup>+</sup>17, SdMPS19]. **tree-width** [SdMPS19]. **treemaps** [BEL<sup>+</sup>16]. **Trees** [WW20, DK15, Sol15]. **treewidth** [HSW19]. **triangles** [CKMU13, FMW12].
- triangulated** [HSW19]. **triangulating** [AKP<sup>+</sup>17]. **triangulation** [Dev11, DH16]. **triangulations** [AD18, FHH<sup>+</sup>18, dBRS12]. **trivial** [CCL16]. **Tverberg** [BLN17]. **Two** [CIW16, Wan20, DKT17, KN19]. **Two-Point** [Wan20, CIW16]. **two-sided** [KN19]. **type** [Gär15, Gru14].
- unavoidable** [BLN17]. **unbounded** [Kön14]. **uniform** [BP16]. **Unions** [LM14]. **unique** [AMR15]. **unit** [BBM<sup>+</sup>18, CS19b, GKP<sup>+</sup>16, PP11]. **unit-disk** [CS19b]. **universal** [BBG15]. **Upper** [BN12]. **using** [GKP<sup>+</sup>16, HP16, vKLW20].
- Venn** [BB17, BKR12]. **vertex** [NPPZ13]. **vertices** [ACD<sup>+</sup>16, BCD<sup>+</sup>16, DDF<sup>+</sup>18]. **via** [BP16, BBG<sup>+</sup>18, CW19, GKKV14]. **virtual** [PP11]. **Visibility** [dBHT10, AEK<sup>+</sup>16, BKvRV18, CW15, DH16, ES15, PW10]. **visualization** [BBG<sup>+</sup>18, dBOS13]. **Voronoi** [BKM<sup>+</sup>18, BEGM20, BDT14]. **VPG** [BD16].
- walk** [DH16]. **Weighted** [BP16, HPL12, CS19b, DLS17]. **Welcome** [CR10]. **well** [BH16, GZ12]. **well-folded** [BH16]. **well-separated** [GZ12]. **Which** [PSW14]. **whose** [BCD<sup>+</sup>16]. **width** [SdMPS19]. **witnesses** [DGGT16]. **woods** [KGL19]. **work** [AMRW11]. **Worst** [MR13, DH16]. **Worst-case** [MR13].
- Yao** [BBD<sup>+</sup>15].

## References

Aichholzer:2014:CFS

- [AAD<sup>+</sup>14] Oswin Aichholzer, Greg Aloupis, Erik D. Demaine, Martin L. Demaine, Sándor P. Fekete, Michael Hoffmann, Anna Lubiw, Jack Snoeyink, and Andrew Winslow.

- Covering folded shapes. *Journal of Computational Geometry*, 5(1):150–167, 2014. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/160>.
- Amani:2016:PSP**
- [ABB<sup>+</sup>16] Mahdi Amani, Ahmad Biniiaz, Prosenjit Bose, Jean-Lou De Carufel, Anil Maheshwari, and Michiel Smid. A plane 1.88-spanner for points in convex position. *Journal of Computational Geometry*, 7(1):520–539, 2016. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/276>.
- Alt:2018:PYC**
- [ABC<sup>+</sup>18] Helmut Alt, Kevin Buchin, Steven Chaplick, Otfried Cheong, Philipp Kindermann, Christian Knauer, and Fabian Stehn. Placing your coins on a shelf. *Journal of Computational Geometry*, 9(1):312–327, 2018. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/361>.
- Alewijnse:2015:PGA**
- [ABdB<sup>+</sup>15] Sander P. A. A. Alewijnse, Timur M. Bagautdinov, Mark de Berg, Quirijn W. Bouts, Alex P. ten Brink, Kevin Buchin, and Michel A. Westenberg. Progressive geometric algorithms. *Journal of Computational Geometry*, 6(2):72–92, 2015. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/193>.
- Apfelbaum:2011:PLQ**
- [ABDF<sup>+</sup>11] Roel Apfelbaum, Itay Ben-Dan, Stefan Felsner, Tillmann Miltzow, Rom Pinchasi, Torsten Ueckerdt, and Ran Ziv. Points with large quadrant depth. *Journal of Computational Geometry*, 2(1):128–143, 2011. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/53>.
- Abel:2016:ROV**
- [ACD<sup>+</sup>16] Zachary Abel, Jason Cantarella, Erik D. Demaine, David Eppstein, Thomas C. Hull, Jason S. Ku, Robert J. Lang, and Tomohiro Tachi. Rigid origami vertices: conditions and forcing sets. *Journal of Computational Geometry*, 7(1):171–184, 2016. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/251>.
- Aleardi:2018:ABC**
- [AD18] Luca Castelli Aleardi and Olivier Devillers. Array-based compact data structures for triangulations: practical solutions with theoretical guarantees. *Journal of Computational Geometry*, 9(1):247–289, 2018. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/193>.

carleton.ca/jocg/index.php/  
jocg/article/view/332.

**Alt:2017:AMA**

- [AdBK17] Helmut Alt, Mark de Berg, and Christian Knauer. Approximating minimum-area rectangular and convex containers for packing convex polygons. *Journal of Computational Geometry*, 8(1):1–10, 2017. CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/289>.

**Atienza:2012:CCG**

- [AdCC+12] Nieves Atienza, Natalia de Castro, Carmen Cortés, M. Ángeles Garrido, Clara I. Grima, Gregorio Hernández, Alberto Márquez, Auxiliadora Moreno-González, Martin Nöllenburg, José Ramón Portillo, Pedro Reyes, Jesús Valenzuela, Maria Trinidad Villar, and Alexander Wolff. Cover contact graphs. *Journal of Computational Geometry*, 3(1):102–131, 2012. CODEN 2012 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/66>.

**Abel:2018:FFP**

- [ADD+18] Zachary Abel, Erik D. Demaine, Martin L. Demaine, David Eppstein, Anna Lubiw, and Ryuhei Uehara. Flat foldings of plane graphs with prescribed angles and edge lengths. *Journal of Computational Geometry*, 9(1):74–93, 2018.

CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/191>. [Paging previously given as 71–91].

**Aleardi:2018:COG**

- [ADF18] Luca Castelli Aleardi, Olivier Devillers, and Éric Fusy. Canonical ordering for graphs on the cylinder, with applications to periodic straight-line drawings on the flat cylinder and torus. *Journal of Computational Geometry*, 9(1):391–429, 2018. CODEN 2018 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/360>.

**Attali:2016:RSC**

- [ADGL16] Dominique Attali, Olivier Devillers, Marc Glisse, and Sylvain Lazard. Recognizing shrinkable complexes is NP-complete. *Journal of Computational Geometry*, 7(1):430–443, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/275>.

**Akitaya:2020:RFN**

- [ADH+20] Hugo Akitaya, Erik Demaine, Takashi Horiyama, Thomas Hull, Jason Ku, and Tomohiro Tachi. Rigid foldability is NP-hard. *Journal of Computational Geometry*, 11(1):93–124, 2020. CODEN 2020 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/403>.



**Arkin:2016:SPS**

- [AEK<sup>+</sup>16] Esther M. Arkin, Alon Efrat, Christian Knauer, Joseph S. B. Mitchell, Valentin Polishchuk, Günter Rote, Lena Schlipf, and Topi Talvitie. Shortest path to a segment and quickest visibility queries. *Journal of Computational Geometry*, 7(2):77–100, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/264>.

**Aronov:2017:TST**

- [AKP<sup>+</sup>17] Boris Aronov, Matias Korman, Simon Pratt, André van Renssen, and Marcel Roeloffzen. Time-space trade-off algorithms for triangulating a simple polygon. *Journal of Computational Geometry*, 8(1):105–124, 2017. CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/307>.

**Asinowski:2015:QPS**

- [AMR15] Andrei Asinowski, Tillmann Miltzow, and Günter Rote. Quasi-parallel segments and characterizations of unique bichromatic matchings. *Journal of Computational Geometry*, 6(1):185–219, 2015. CODEN 2015 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/134>.

**Asano:2011:CWS**

- [AMRW11] Tetsuo Asano, Wolfgang Mulzer, Günter Rote, and Yajun Wang. Constant-work-space algorithms for geometric problems. *Journal of Computational Geometry*, 2(1):46–68, 2011. CODEN 2011 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/30>.

**Axenovich:2016:DRC**

- [AU16] Maria Axenovich and Torsten Ueckerdt. Density of range capturing hypergraphs. *Journal of Computational Geometry*, 7(1):1–21, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/222>.

**Bannier:2017:NDS**

- [BB17] Arnaud Bannier and Nicolas Bodin. A new drawing for simple Venn diagrams based on algebraic construction. *Journal of Computational Geometry*, 8(1):153–173, 2017. CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/271>.

**Barba:2015:NIS**

- [BBD<sup>+</sup>15] Luis Barba, Prosenjit Bose, Mirela Damian, Rolf Fagerberg, Wah Loon Keng, Joseph O’Rourke, André van Renssen, Perouz Taslakian, Sander Verdonschot, and Ge Xia. New

- and improved spanning ratios for Yao graphs. *Journal of Computational Geometry*, 6(2): 19–53, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/190>.
- Biniarz:2017:TPS**
- [BBD<sup>+</sup>17] Ahmad Biniarz, Prosenjit Bose, Jean-Lou De Carufel, Cyril Gavoille, Anil Maheshwari, and Michiel Smid. Towards plane spanners of degree 3. *Journal of Computational Geometry*, 8(1):11–31, 2017. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/295>.
- Baez:2015:LUC**
- [BBG15] John C. Baez, Karine Bagdasaryan, and Philip Gibbs. The Lebesgue universal covering problem. *Journal of Computational Geometry*, 6(1): 288–299, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/198>.
- Baum:2018:SEV**
- [BBG<sup>+</sup>18] Moritz Baum, Thomas Bläsius, Andreas Gemsa, Ignaz Rutter, and Franziska Wegner. Scalable exact visualization of isocontours in road networks via minimum-link paths. *Journal of Computational Geometry*, 9(1):27–73, 2018. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/313>. [Paging previously given as 24–70].
- Biro:2018:FGC**
- [BBM<sup>+</sup>18] Csaba Biró, Édouard Bonnet, Dániel Marx, Tillmann Miltzow, and Paweł Rzążewski. Fine-grained complexity of coloring unit disks and balls. *Journal of Computational Geometry*, 9(2):47–80, 2018. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/414>.
- Buchin:2015:TGS**
- [BBvK<sup>+</sup>15] Kevin Buchin, Maike Buchin, Marc van Kreveld, Bettina Speckmann, and Frank Staals. Trajectory grouping structure. *Journal of Computational Geometry*, 6(1):75–98, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/161>.
- Bose:2010:SFC**
- [BCCS10] Prosenjit Bose, Paz Carmi, Sébastien Collette, and Michiel Smid. On the stretch factor of convex Delaunay graphs. *Journal of Computational Geometry*, 1(1):41–56, 2010. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/5>.

- Bose:2016:SFC**
- [BCD<sup>+</sup>16] Prosenjit Bose, Paz Carmi, Mirela Damian, Jean-Lou De Carufel, Darryl Hill, Anil Maheshwari, Yuyang Liu, and Michiel Smid. On the stretch factor of convex polyhedra whose vertices are (almost) on a sphere. *Journal of Computational Geometry*, 7(1):444–472, 2016. CODEN 2016. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/229>.
- Borradaile:2017:MCH**
- [BCFN17] Glencora Borradaile, Erin Wolf Chambers, Kyle Fox, and Amir Nayyeri. Minimum cycle and homology bases of surface-embedded graphs. *Journal of Computational Geometry*, 8(2):58–79, 2017. CODEN 2017. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/325>.
- Biedl:2016:SVR**
- [BD16] Therese Biedl and Martin Derka. 1-string  $B_2$ -VPG representation of planar graphs. *Journal of Computational Geometry*, 7(2):191–215, 2016. CODEN 2016. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/296>.
- Bose:2013:NFP**
- [BDD<sup>+</sup>13] Prosenjit Bose, Kai Dannies, Jean-Lou De Carufel, Christoph Doell, Carsten Grimm, Anil Maheshwari, Stefan Schirra, and Michiel Smid. Network farthest-point diagrams and their application to feed-link network extension. *Journal of Computational Geometry*, 4(1):182–211, 2013. CODEN 2013. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/131>.
- Bose:2020:ECR**
- [BDD20] Prosenjit Bose, Jean-Lou De Carufel, and Olivier Devillers. Expected complexity of routing in  $\Theta_6$  and half- $\Theta_6$  graphs. *Journal of Computational Geometry*, 11(1):212–234, 2020. CODEN 2020. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/484>.
- Bogdanov:2014:HDC**
- [BDT14] Mikhail Bogdanov, Olivier Devillers, and Monique Teillaud. Hyperbolic Delaunay complexes and Voronoi diagrams made practical. *Journal of Computational Geometry*, 5(1):56–85, 2014. CODEN 2014. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/141>.
- Buchet:2018:DRT**
- [BDWW18] Mickaël Buchet, Tamal K. Dey, Jiayuan Wang, and Yusu Wang. Declutter and resample: towards parameter free denoising. *Journal of Computational Geometry*, 9(2):21–46, 2018.

- CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/402>. [BF20]
- Barequet:2020:SMV**
- [BEGM20] Gill Barequet, David Eppstein, Michael Goodrich, and Nil Manamo. Stable-matching Voronoi diagrams: Combinatorial complexity and algorithms. *Journal of Computational Geometry*, 11(1):26–59, 2020. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/428>.
- Burton:2016:MRL**
- [BEKT16] Benjamin A. Burton, Murray Elder, Arkadiusz Kalka, and Stephan Tillmann. 2-manifold recognition is in logspace. *Journal of Computational Geometry*, 7(1):70–85, 2016. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/212>.
- Buchin:2016:APS**
- [BEL<sup>+</sup>16] Kevin Buchin, David Eppstein, Maarten Löffler, Martin Nöllenburg, and Rodrigo I. Silveira. Adjacency-preserving spatial treemaps. *Journal of Computational Geometry*, 7(1):100–122, 2016. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/211>.
- Borrazzo:2020:PEL**
- Manuel Borrazzo and Fabrizio Frati. On the planar edge-length ratio of planar graphs. *Journal of Computational Geometry*, 11(1):137–155, 2020. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/470>.
- Bose:2017:CLR**
- [BFvRV17] Prosenjit Bose, Rolf Fagerberg, André van Renssen, and Sander Verdonschot. Competitive local routing with constraints. *Journal of Computational Geometry*, 8(1):125–152, 2017. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/288>.
- Bonnet:2019:OTG**
- [BG19] Édouard Bonnet and Panos Giannopoulos. Orthogonal terrain guarding is NP-complete. *Journal of Computational Geometry*, 10(2):21–44, 2019. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/453>.
- Bonnet:2019:PCR**
- [BGL19] Edouard Bonnet, Panos Giannopoulos, and Michael Lampis. On the parameterized complexity of red–blue points separation. *Journal of Computational Geometry*, 10(1):181–206, 2019. CODEN ????. ISSN 1920-

- 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/377>.
- Bos:2016:HWF**
- [BH16] Arie Bos and Herman Haverkort. Hyperorthogonal well-folded Hilbert curves. *Journal of Computational Geometry*, 7(2):145–190, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/269>.
- Banyassady:2018:ITS**
- [BKM<sup>+</sup>18] Bahareh Banyassady, Matias Korman, Wolfgang Mulzer, André van Renssen, Marcel Roeloffzen, Paul Seiferth, and Yannik Stein. Improved time-space trade-offs for computing Voronoi diagrams. *Journal of Computational Geometry*, 9(1):191–212, 2018. CODEN 2018 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/345>.
- Bultena:2012:MAP**
- [BKR12] Bette Bultena, Matthew Klimesh, and Frank Ruskey. Minimum area polyomino Venn diagrams. *Journal of Computational Geometry*, 3(1):154–167, 2012. CODEN 2012 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/91>.
- Bose:2018:RVG**
- [BKvRV18] Prosenjit Bose, Matias Korman, André van Renssen, and Sander Verdonschot. Routing on the visibility graph. *Journal of Computational Geometry*, 9(1):430–453, 2018. CODEN 2018 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/373>.
- Bauer:2015:IMA**
- [BL15] Ulrich Bauer and Michael Lesnick. Induced matchings and the algebraic stability of persistence barcodes. *Journal of Computational Geometry*, 6(2):162–191, 2015. CODEN 2015 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/205>.
- Bukh:2017:CUT**
- [BLN17] Boris Bukh, Po-Shen Loh, and Gabriel Nivasch. Classifying unavoidable Tverberg partitions. *Journal of Computational Geometry*, 8(1):174–205, 2017. CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/308>.
- Bringmann:2016:ADF**
- [BM16] Karl Bringmann and Wolfgang Mulzer. Approximability of the discrete Fréchet distance. *Journal of Computational Geometry*, 7(2):46–76, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/261>.

- [BN12] **Bukh:2012:UBC**  
 Boris Bukh and Gabriel Nivasch. Upper bounds for centerlines. *Journal of Computational Geometry*, 3(1):20–30, 2012. CODEN 2012 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/80>.
- [BP16] **Bansal:2016:WGS**  
 Nikhil Bansal and Kirk Pruhs. Weighted geometric set multi-cover via quasi-uniform sampling. *Journal of Computational Geometry*, 7(1):221–236, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/126>.
- [BR15] **Bekos:2015:CLC**  
 Michael A. Bekos and Chrysanthi N. Raftopoulou. On a conjecture of Lovász on circle-representations of simple 4-regular planar graphs. *Journal of Computational Geometry*, 6(1):1–20, 2015. CODEN 2015 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/120>.
- [BS14] **Basit:2014:IND**  
 Abdul Basit and Adam Sheffer. Incidences with  $k$ -non-degenerate sets and their applications. *Journal of Computational Geometry*, 5(1):284–302, 2014. CODEN 2014 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/138>.
- [BVX15] **Bhowmick:2015:CFA**  
 Santanu Bhowmick, Kasturi Varadarajan, and Shi-Ke Xue. A constant-factor approximation for multi-covering with disks. *Journal of Computational Geometry*, 6(1):220–234, 2015. CODEN 2015 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/172>.
- [CCI+19] **Cardinal:2019:SEP**  
 Jean Cardinal, Timothy M. Chan, John Iacono, Stefan Langerman, and Aurélien Ooms. Subquadratic encodings for point configurations. *Journal of Computational Geometry*, 10(2):99–126, 2019. CODEN 2019 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/465>.
- [CCL16] **Cabello:2016:FSN**  
 Sergio Cabello, Éric Colin de Verdière, and Francis Lazarus. Finding shortest non-trivial cycles in directed graphs on surfaces. *Journal of Computational Geometry*, 7(1):123–148, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/225>.
- [CD15] **Cheng:2015:GEF**  
 Siu-Wing Cheng and Olivier Devillers. Guest Editors' fore-

- word. *Journal of Computational Geometry*, 6(2):1, 2015. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/206>. Special issue of selected papers from SoCG 2014, held in Kyoto, June 8–11, 2014.
- [CDM<sup>+</sup>16] Ho-Lin Chen, David Doty, Ján Maňuch, Arash Rafiey, and Ladislav Stacho. Pattern overlap implies runaway growth in hierarchical tile systems. *Journal of Computational Geometry*, 7(2):3–18, 2016. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/255>.
- [CF18] Jean Cardinal and Stefan Felchner. Topological drawings of complete bipartite graphs. *Journal of Computational Geometry*, 9(1):213–246, 2018. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/347>.
- [CFL<sup>+</sup>15] Frédéric Chazal, Brittany Terese Fasy, Fabrizio Lecci, Alessandro Rinaldo, and Larry Wasserman. Stochastic convergence of persistence landscapes and silhouettes. *Journal of Computational Geometry*, 6(2):140–161, 2015. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/203>.
- [Cha18] Timothy M. Chan. Applications of Chebyshev polynomials to low-dimensional computational geometry. *Journal of Computational Geometry*, 9(2):3–20, 2018. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/391>.
- [CIW16] Danny Z. Chen, Rajasekhar Inkulu, and Haitao Wang. Two-point  $L_1$  shortest path queries in the plane. *Journal of Computational Geometry*, 7(1):473–519, 2016. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/293>.
- [CKLS12] Siu-Wing Cheng, Christian Knauer, Stefan Langerman, and Michiel Smid. Approximating the average stretch factor of geometric graphs. *Journal of Computational Geometry*, 3(1):132–153, 2012. CODEN 180X ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/87>.
- [CKMU13] Jean Cardinal, Kolja Knauer, Piotr Micek, and Torsten Uecker.

**Chen:2016:POI**

**Chan:2018:ACP**

**Chen:2016:TPL**

**Cardinal:2018:TDC**

**Cheng:2012:AAS**

**Chazal:2015:SCP**

**Cardinal:2013:MTC**

- erdt. Making triangles colorful. *Journal of Computational Geometry*, 4(1):240–246, 2013. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/136>. [CS19b]
- Clarkson:2010:WEC**
- [CR10] Kenneth L. Clarkson and Günter Rote. Welcome from the Editors-in-Chief. *Journal of Computational Geometry*, 1(1):1–2, 2010. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/20>. [CSZ10]
- Carmi:2012:OAC**
- [CS12] Paz Carmi and Michiel Smid. An optimal algorithm for computing angle-constrained spanners. *Journal of Computational Geometry*, 3(1):196–221, 2012. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/94>. [CW15]
- Chan:2019:APS**
- [CS19a] Timothy M. Chan and Dimitrios Skrepetos. All-pairs shortest paths in geometric intersection graphs. *Journal of Computational Geometry*, 10(1):27–41, 2019. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/384>. [CW19]
- Chan:2019:ASP**
- Timothy M. Chan and Dimitrios Skrepetos. Approximate shortest paths and distance oracles in weighted unit-disk graphs. *Journal of Computational Geometry*, 10(2):3–20, 2019. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/426>.
- Carlsson:2010:CMP**
- Gunnar Carlsson, Gurjeet Singh, and Afra J. Zomorodian. Computing multidimensional persistence. *Journal of Computational Geometry*, 1(1):72–100, 2010. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/19>.
- Chen:2015:NAC**
- Danny Z. Chen and Haitao Wang. A new algorithm for computing visibility graphs of polygonal obstacles in the plane. *Journal of Computational Geometry*, 6(1):316–345, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/232>.
- Chambers:2019:MSB**
- Erin Wolf Chambers and Yusu Wang. Measuring similarity between curves on 2-manifolds via homotopy area. *Journal of Computational Geometry*, 10(1):96–126, 2019.



- CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/285>.
- [dBCC<sup>+</sup>19] Mark de Berg, Sergio Cabello, Otfried Cheong, David Eppstein, and Christian Knauer. Covering many points with a small-area box. *Journal of Computational Geometry*, 10(1):207–222, ????. 2019. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/387>.
- [dBHT10] Mark de Berg, Herman Haverkort, and Constantinos P. Tsirigianis. Visibility maps of realistic terrains have linear smoothed complexity. *Journal of Computational Geometry*, 1(1):57–71, ????. 2010. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/12>.
- [dBOS13] Mark de Berg, Krzysztof Onak, and Anastasios Sidiropoulos. Fat polygonal partitions with applications to visualization and embeddings. *Journal of Computational Geometry*, 4(1):212–239, ????. 2013. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/74>.
- [dBRs12] Mark de Berg, Marcel Roeloffzen, and Bettina Speckmann. Kinetic convex hulls, Delaunay triangulations and connectivity structures in the black-box model. *Journal of Computational Geometry*, 3(1):222–249, ????. 2012. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/89>.
- [DC19] Vincent Divol and Frédéric Chazal. The density of expected persistence diagrams and its kernel based estimation. *Journal of Computational Geometry*, 10(2):127–153, ????. 2019. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/488>.
- [DDF<sup>+</sup>14] Reza Dorrigiv, Stephane Durocher, Arash Farzan, Robert Fraser, Alejandro López-Ortiz, J. Ian Munro, Alejandro Salinger, and Matthew Skala. The Hausdorff core problem on simple polygons. *Journal of Computational Geometry*, 5(1):14–40, ????. 2014. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/127>.
- [DDF<sup>+</sup>18] Giordano Da Lozzo, Vida Djumović, Fabrizio Frati, Tamara

**deBerg:2012:KCH****deBerg:2019:CMP****Divol:2019:DEP****deBerg:2010:VMR****Dorrigiv:2014:HCP****deBerg:2013:FPP****DaLozzo:2018:DPG**

- Mchedlidze, and Vincenzo Roselli. Drawing planar graphs with many collinear vertices. *Journal of Computational Geometry*, 9(1):94–130, 2018. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/326>.  
**Duncan:2018:PPA**
- [DEG<sup>+</sup>18] Christian A. Duncan, David Eppstein, Michael T. Goodrich, Stephen G. Kobourov, Maarten Löffler, and Martin Nöllenburg. Planar and poly-arc Lombardi drawings. *Journal of Computational Geometry*, 9(1):328–355, 2018. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/322>.  
**Devillers:2011:DTI**
- [Dev11] Olivier Devillers. Delaunay triangulation of imprecise points: preprocess and actually get a fast query time. *Journal of Computational Geometry*, 2(1):30–45, 2011. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/41>.  
**Devillers:2016:SCC**
- [DGGT16] Olivier Devillers, Marc Glisse, Xavier Goaoc, and Rémy Thomasse. Smoothed complexity of convex hulls by witnesses and collectors. *Journal of Computational Geometry*, 7(2):101–144, 2016. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/265>.  
**Devillers:2016:WVW**
- [DH16] Olivier Devillers and Ross Hemley. The worst visibility walk in a random Delaunay triangulation is  $O(\sqrt{n})$ . *Journal of Computational Geometry*, 7(1):332–359, 2016. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/252>.  
**Driemel:2013:FCI**
- [DHLS13] Anne Driemel, Herman Haverkort, Maarten Löffler, and Rodrigo I. Silveira. Flow computations on imprecise terrains. *Journal of Computational Geometry*, 4(1):38–78, 2013. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/82>.  
**Dumitrescu:2014:MCP**
- [DHPT14] Adrian Dumitrescu, Sariel Har-Peled, and Csaba D. Tóth. Minimum convex partitions and maximum empty polytopes. *Journal of Computational Geometry*, 5(1):86–103, 2014. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/112>.

- Devroye:2015:RHS**
- [DK15] Luc Devroye and James King. Random hyperplane search trees in high dimensions. *Journal of Computational Geometry*, 6(1):142–164, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/67>.
- DeCarufel:2017:IAM**
- [DKK<sup>+</sup>17] Jean-Lou De Carufel, Matthew J. Katz, Matias Korman, André van Renssen, Marcel Roeloffzen, and Shakhar Smorodinsky. On interference among moving sensors and related problems. *Journal of Computational Geometry*, 8(1):32–46, 2017. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/297>.
- Devillers:2017:QSP**
- [DKT17] Olivier Devillers, Menelaos I. Karavelas, and Monique Teillaud. Qualitative symbolic perturbation: two applications of a new geometry-based perturbation framework. *Journal of Computational Geometry*, 8(1):282–315, 2017. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/253>.
- Durocher:2017:PMW**
- [DLS17] Stephane Durocher, Alexandre Leblanc, and Matthew Skala. The projection median as a weighted average. *Journal of Computational Geometry*, 8(1):78–104, 2017. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/244>.
- Dumitrescu:2020:NLB**
- [DM20] Adrian Dumitrescu and Rintankar Mandal. New lower bounds for the number of pseudoline arrangements. *Journal of Computational Geometry*, 11(1):60–92, 2020. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/435>.
- Dumitrescu:2011:AER**
- [Dum11] Adrian Dumitrescu. Approximate Euclidean Ramsey theorems. *Journal of Computational Geometry*, 2(1):16–29, 2011. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/38>.
- Dumitrescu:2013:MIP**
- [Dum13] Adrian Dumitrescu. Metric inequalities for polygons. *Journal of Computational Geometry*, 4(1):79–93, 2013. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/45>.

- [DVW19] **Dyer:2019:SMS** Ramsay Dyer, Gert Vegter, and Mathijs Hubertus Maria Johannes Wintraecken. Simplices modelled on spaces of constant curvature. *Journal of Computational Geometry*, 10(1): 223–256, 2019. CODEN 2019 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/324>.
- [Epp10] **Eppstein:2010:HEF** David Eppstein. Happy endings for flip graphs. *Journal of Computational Geometry*, 1(1):3–28, 2010. CODEN 2010 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/21>.
- [DW18] **Dujmovic:2018:TAG** Vida Dujmović and David R. Wood. Thickness and antithickness of graphs. *Journal of Computational Geometry*, 9(1):356–386, 2018. CODEN 2018 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/348>.
- [Epp11] **Eppstein:2011:OFI** David Eppstein. Optimally fast incremental Manhattan plane embedding and planar tight span construction. *Journal of Computational Geometry*, 2(1): 144–182, 2011. CODEN 2011 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/61>.
- [EHL<sup>+</sup>16] **Eppstein:2016:SCD** David Eppstein, Danny Holten, Maarten Löffler, Martin Nöllenburg, Bettina Speckmann, and Kevin Verbeek. Strict confluent drawing. *Journal of Computational Geometry*, 7(1):22–46, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/174>.
- [Epp17] **Eppstein:2017:MSR** David Eppstein. Maximizing the sum of radii of disjoint balls or disks. *Journal of Computational Geometry*, 8(1):316–339, 2017. CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/286>.
- [EM14] **Eppstein:2014:STS** David Eppstein and Elena Mumford. Steinitz theorems for simple orthogonal polyhedra. *Journal of Computational Geometry*, 5(1):179–244, 2014.
- [Epp19] **Eppstein:2019:RCG** David Eppstein. Realization and connectivity of the graphs of origami flat foldings. *Journal of Computational Geometry*, 10(1):257–280, 2019.

- CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/445>.
- [ES15] William Evans and Noushin Saeedi. On characterizing terrain visibility graphs. *Journal of Computational Geometry*, 6(1):108–141, ????. 2015. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/130>.
- [FHH<sup>+</sup>17] Sándor P. Fekete, Andreas Haas, Michael Hemmer, Michael Hoffmann, Irina Kostitsyna, Dominik Krupke, Florian Maurer, Joseph S. B. Mitchell, Arne Schmidt, Christiane Schmidt, and Julian Troegel. Computing nonsimple polygons of minimum perimeter. *Journal of Computational Geometry*, 8(1):340–365, ????. 2017. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/303>.
- [FHH<sup>+</sup>18] Sándor P. Fekete, Winfried Hellmann, Michael Hemmer, Arne Schmidt, and Julian Troegel. Computing maxmin edge length triangulations. *Journal of Computational Geometry*, 9(1):1–26, ????. 2018. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/319>. [Paging previously given as 1–23].
- [FHK12] Martin Furer and Shiva Prasad Kasiviswanathan. Spanners for geometric intersection graphs with applications. *Journal of Computational Geometry*, 3(1):31–64, ????. 2012. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/31>.
- [FHK16] Stephan Friedrichs, Michael Hemmer, James King, and Christiane Schmidt. The continuous 1.5D terrain guarding problem: discretization, optimal solutions, and PTAS. *Journal of Computational Geometry*, 7(1):256–284, ????. 2016. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/242>.
- [FHK17] Martin Fink, John Hershberger, Nirman Kumar, and Subhash Suri. Hyperplane separability and convexity of probabilistic point sets. *Journal of Computational Geometry*, 8(2):32–57, ????. 2017. CODEN ????. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/321>.

**Evans:2015:CTV**

[FHKS16]

**Friedrichs:2016:CTG****Fekete:2017:CNP****Fink:2017:HSC**

[FHK17]

**Fekete:2018:CME****Furer:2012:SGI**

- [FK20] **Filtser:2020:ADF**  
 Omrit Filtser and Matthew Katz. Algorithms for the discrete Fréchet distance under translation. *Journal of Computational Geometry*, 11(1):156–175, 2020. CODEN 2020. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/409>.
- [FL17] **Fekete:2017:GEF**  
 Sándor P. Fekete and Anna Lubiw. Guest Editors’ foreword [special issue of selected papers from SoCG2016]. *Journal of Computational Geometry*, 8(2):1, 2017. CODEN 2017. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/368>. Held in Boston, MA, June 14–17, 2016.
- [FMW12] **Fabila-Monroy:2012:CTD**  
 Ruy Fabila-Monroy and David R. Wood. Colouring the triangles determined by a point set. *Journal of Computational Geometry*, 3(1):86–101, 2012. CODEN 2012. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/78>.
- [FP18] **Frankl:2018:STC**  
 Peter Frankl and János Pach. A stability theorem on cube tessellations. *Journal of Computational Geometry*, 9(1):387–390, 2018. CODEN 2018. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/398>.
- [Gär15] **Gartner:2015:SRL**  
 Bernd Gärtner. Sampling with removal in LP-type problems. *Journal of Computational Geometry*, 6(2):93–112, 2015. CODEN 2015. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/197>.
- [GGLT13] **Gortler:2013:AR**  
 Steven J. Gortler, Craig Gotsman, Ligang Liu, and Dylan P. Thurston. On affine rigidity. *Journal of Computational Geometry*, 4(1):160–181, 2013. CODEN 2013. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/49>.
- [GHK<sup>+</sup>17] **Geyer:2017:PTP**  
 Markus Geyer, Michael Hoffmann, Michael Kaufmann, Vincent Kusters, and Csaba D. Tóth. The planar tree packing theorem. *Journal of Computational Geometry*, 8(2):109–177, 2017. CODEN 2017. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/341>.
- [GJM12] **Gartner:2012:ELB**  
 Bernd Gärtner, Martin Jaggi, and Clément Maria. An exponential lower bound on the complexity of regularization paths.

- Journal of Computational Geometry*, 3(1):168–195, 2012. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/88>. [GNR16]
- Gibson:2014:GTL**
- [GKKV14] Matt Gibson, Gaurav Kanade, Erik Krohn, and Kasturi Varadarajan. Guarding terrains via local search. *Journal of Computational Geometry*, 5(1):168–178, 2014. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/128>. [Gru14]
- Gibson:2016:IPU**
- [GKP<sup>+</sup>16] Matt Gibson, Gaurav Kanade, Rainer Penninger, Kasturi Varadarajan, and Ivo Vigan. On isolating points using unit disks. *Journal of Computational Geometry*, 7(1):540–557, 2016. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/237>. [GS15]
- Glisse:2016:SRP**
- [GLMP16] Marc Glisse, Sylvain Lazard, Julien Michel, and Marc Pouget. Silhouette of a random polytope. *Journal of Computational Geometry*, 7(1):86–99, 2016. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/162>. [GTH14a]
- Gemsa:2016:CLR**
- Andreas Gemsa, Martin Nöllenburg, and Ignaz Rutter. Consistent labeling of rotating maps. *Journal of Computational Geometry*, 7(1):308–331, 2016. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/184>.
- Gruslys:2014:CGH**
- Vytautas Gruslys. A counterexample to a geometric Hales–Jewett type conjecture. *Journal of Computational Geometry*, 5(1):245–249, 2014. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/176>.
- Gundert:2015:HDD**
- Anna Gundert and May Szedlák. Higher dimensional discrete Cheeger inequalities. *Journal of Computational Geometry*, 6(2):54–71, 2015. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/192>.
- Gaspar:2014:PCCa**
- Zsolt Gáspár, Tibor Tarnai, and Krisztián Hincz. Partial covering of a circle by equal circles. Part I: the mechanical models. *Journal of Computational Geometry*, 5(1):104–125, 2014. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/162>.

carleton.ca/jocg/index.php/  
jocg/article/view/108.

**Gaspar:2014:PCCb**

- [GTH14b] Zsolt Gáspár, Tibor Tarnai, and Krisztián Hincz. Partial covering of a circle by equal circles. Part II: the case of 5 circles. *Journal of Computational Geometry*, 5(1):126–149, 2014. CODEN 2014 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/109>.

**Gao:2012:ESS**

- [GZ12] Jie Gao and Dengpan Zhou. The emergence of sparse spanners and well-separated pair decomposition under anarchy. *Journal of Computational Geometry*, 3(1):1–19, 2012. CODEN 2012 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/63>.

**Haverkort:2011:RTS**

- [Hav11] Herman Haverkort. Recursive tilings and space-filling curves with little fragmentation. *Journal of Computational Geometry*, 2(1):92–127, 2011. CODEN 2011 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/68>.

**Haverkort:2017:HMT**

- [Hav17] Herman Haverkort. How many three-dimensional Hilbert curves are there? *Journal of Computational Geometry*, 8(1):

206–281, 2017. CODEN 2017 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/298>.

**Hetland:2015:PI**

- [Het15] Magnus Lie Hetland. Ptolemaic indexing. *Journal of Computational Geometry*, 6(1):165–184, 2015. CODEN 2015 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/42>.

**Haraway:2020:DHC**

- [HI20] Robert Cyrus Haraway and III. Determining hyperbolicity of compact orientable 3-manifolds with torus boundary. *Journal of Computational Geometry*, 11(1):125–136, 2020. CODEN 2020 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/433>.

**Har-Peled:2016:SPP**

- [HP16] Sarel Har-Peled. Shortest path in a polygon using sublinear space. *Journal of Computational Geometry*, 7(2):19–45, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/256>.

**Har-Peled:2012:WGS**

- [HPL12] Sarel Har-Peled and Mira Lee. Weighted geometric set cover problems revisited. *Journal of Computational Geometry*, 3



- (1):65–85, 2012. CODEN 2012 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/77>.
- [HSW19] Kristóf Huszár, Jonathan Spreer, and Uli Wagner. On the treewidth of triangulated 3-manifolds. *Journal of Computational Geometry*, 10(2):70–98, 2019. CODEN 2019 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/479>.
- [IKV13] Sharif Ibrahim, Bala Krishnamoorthy, and Kevin R. Vixie. Simplicial flat norm with scale. *Journal of Computational Geometry*, 4(1):133–159, 2013. CODEN 2013 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/85>.
- [IKV16] Sharif Ibrahim, Bala Krishnamoorthy, and Kevin R. Vixie. Flat norm decomposition of integral currents. *Journal of Computational Geometry*, 7(1):285–307, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/199>.
- [JR16] Rafel Jaume and Günter Rote. Recursively regular subdivisions and applications. *Journal of Computational Geometry*, 7(1):185–220, 2016. CODEN 2016 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/186>.
- [KBK+20] Michael Kaufmann, Michael Bekos, Fabian Klute, Sergey Pupyrev, Chrysanthi Raftopoulou, and Torsten Ueckerdt. Four pages are indeed necessary for planar graphs. *Journal of Computational Geometry*, 11(1):332–353, 2020. CODEN 2020 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/504>.
- [Ker13] Michael Kerber. Embedding the dual complex of hyperrectangular partitions. *Journal of Computational Geometry*, 4(1):13–37, 2013. CODEN 2013 ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/104>.
- [KGL19] Kolja Knauer, Daniel Gonçalves, and Benjamin Leveque. On the structure of Schnyder woods on orientable surfaces. *Journal of Computational Geometry*, 10(1):127–163, 2019.

**Jaume:2016:RRS****Huszar:2019:TTM****Kaufmann:2020:FPI****Ibrahim:2013:SFN****Kerber:2013:EDC****Ibrahim:2016:FND****Knauer:2019:SSW**

CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/386>.

**Karavelas:2015:MNF**

- [KKT15] Menelaos I. Karavelas, Christos Konaxis, and Eleni Tzanaki. The maximum number of faces of the Minkowski sum of three convex polytopes. *Journal of Computational Geometry*, 6(1): 21–74, ???? 2015. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/142>.

**Kleist:2018:DPG**

- [Kle18] Linda Kleist. Drawing planar graphs with prescribed face areas. *Journal of Computational Geometry*, 9(1):290–311, ???? 2018. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/351>.

**Kostitsyna:2017:CML**

- [KLPS17] Irina Kostitsyna, Maarten Löffler, Valentin Polishchuk, and Frank Staals. On the complexity of minimum-link path problems. *Journal of Computational Geometry*, 8(2):80–108, ???? 2017. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/328>.

**Klute:2019:MCC**

- [KN19] Fabian Klute and Martin Nöllenburg. Minimizing crossings in con-

strained two-sided circular graph layouts. *Journal of Computational Geometry*, 10(2): 45–69, ???? 2019. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/476>.

**König:2014:CAH**

- [Kön14] Stefan König. Computational aspects of the Hausdorff distance in unbounded dimension. *Journal of Computational Geometry*, 5(1):250–274, ???? 2014. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/156>.

**Kozdoba:2014:PMS**

- [Koz14] Mark Kozdoba. On projections of metric spaces. *Journal of Computational Geometry*, 5(1):275–283, ???? 2014. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/72>.

**Keszegh:2015:MDC**

- [KP15] Balázs Keszegh and Dömötör Pálvölgyi. More on decomposing coverings by octants. *Journal of Computational Geometry*, 6(1):300–315, ???? 2015. CODEN ???? ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/224>.

- Keszegh:2019:AAP**
- [KP19] Balázs Keszegh and Dömötör Pálvölgyi. An abstract approach to polychromatic coloring: shallow hitting sets in ABA-free hypergraphs and pseudohalfplanes. *Journal of Computational Geometry*, 10(1):1–26, 2019. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/349>.
- Keszegh:2020:APD**
- [KP20] Balázs Keszegh and Dömötör Pálvölgyi. Aligned plane drawings of the generalized Delaunay-graphs for pseudo-disks. *Journal of Computational Geometry*, 11(1):354–370, 2020. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/475>.
- Kanj:2017:DFP**
- [KPT17] Iyad Kanj, Ljubomir Perković, and Duru Türkoğlu. Degree four plane spanners: Simpler and better. *Journal of Computational Geometry*, 8(2):3–31, 2017. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/320>.
- Kim:2019:MRE**
- [KRW19] Jisu Kim, Alessandro Rinaldo, and Larry Wasserman. Minimax rates for estimating the dimension of a manifold. *Journal of Computational Geometry*, 10(1):42–95, 2019. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/278>.
- Knauer:2011:FPA**
- [KS11] Christian Knauer and Andreas Spillner. A fixed-parameter algorithm for the minimum Manhattan network problem. *Journal of Computational Geometry*, 2(1):189–204, 2011. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/43>.
- Kaminker:2015:FLD**
- [KS15] Tal Kaminker and Micha Sharir. Finding the largest disk containing a query point in logarithmic time with linear storage. *Journal of Computational Geometry*, 6(2):3–18, 2015. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/188>.
- Löffler:2011:CRG**
- [LM11] Maarten Löffler and Elena Mumford. Connected rectilinear graphs on point sets. *Journal of Computational Geometry*, 2(1):1–15, 2011. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/40>.
- Löffler:2014:UOP**
- [LM14] Maarten Löffler and Wolfgang Mulzer. Unions of onions: pre-

- processing imprecise points for fast onion decomposition. *Journal of Computational Geometry*, 5(1):1–13, 2014. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/140>.
- [MM15] Pedro Martín and Horst Martini. Algorithms for ball hulls and ball intersections in normed planes. *Journal of Computational Geometry*, 6(1):99–107, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/187>.
- [MR13] Bodo Manthey and Heiko Röglin. Worst-case and smoothed analysis of  $k$ -means clustering with Bregman divergences. *Journal of Computational Geometry*, 4(1):94–132, 2013. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/39>.
- [MRZ16] Romanos-Diogenes Diogenes Malikiosis, Sinai Robins, and Yichi Zhang. Polyhedral Gauss sums, and polytopes with symmetry. *Journal of Computational Geometry*, 7(1):149–170, 2016. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/231>.
- [NPPZ13] Gabriel Nivasch, János Pach, Rom Pinchasi, and Shira Zerbib. The number of distinct distances from a vertex of a convex polygon. *Journal of Computational Geometry*, 4(1):1–12, 2013. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/103>.
- [NPR16] Martin Nöllenburg, Roman Prutkin, and Ignaz Rutter. On self-approaching and increasing-chord drawings of 3-connected planar graphs. *Journal of Computational Geometry*, 7(1):47–69, 2016. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/223>.
- [OPW20] Braxton Osting, Sourabh Palande, and Bei Wang. Spectral sparsification of simplicial complexes for clustering and label propagation. *Journal of Computational Geometry*, 11(1):176–211, 2020. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/417>.
- [Ort15] Ronald Ortner. Forcing subarrangements in complete arrangements of pseudocircles. *Journal of Computational Geometry*, 6(1):1–13, 2015. CODEN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/140>.

**Nivasch:2013:NDD****Martin:2015:ABH****Nollenburg:2016:SAI****Manthey:2013:WCS****Osting:2020:SSS****Malikiosis:2016:PGS****Ortner:2015:FSC**

- [Sch16] *Journal of Computational Geometry*, 6(1):235–248, 2015. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/37>.
- [PP11] Sriram V. Pemmaraju and Imran A. Pirwani. Good quality virtual realization of unit disk graphs. *Journal of Computational Geometry*, 2(1):69–91, 2011. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/35>.
- [PSW14] Michael S. Payne, Jens M. Schmidt, and David R. Wood. Which point sets admit a  $k$ -angulation? *Journal of Computational Geometry*, 5(1):41–55, 2014. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/92>.
- [PW10] Attila Pór and David R. Wood. On visibility and blockers. *Journal of Computational Geometry*, 1(1):29–40, 2010. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/24>.
- [SdMPS19] Christian Scheffer. Near-linear time medial-axis approximation of smooth curves in  $\mathbf{R}^3$ . *Journal of Computational Geometry*, 7(1):360–429, 2016. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/238>.
- [Sol15] Saul Schleimer, Arnaud de Mesmay, Jessica Purcell, and Eric Sedgwick. On the tree-width of knot diagrams. *Journal of Computational Geometry*, 10(1):164–180, 2019. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/408>.
- [SV15] Shay Solomon. Euclidean Steiner shallow-light trees. *Journal of Computational Geometry*, 6(2):113–139, 2015. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/202>.
- [Scheffer:2015:SMA] Christian Scheffer and Jan Vahrenhold. Subquadratic medial-axis approximation in  $\mathbf{R}^3$ . *Journal of Computational Geometry*, 6(1):249–287, 2015. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/148>.
- [Scheffer:2016:NLT] Christian Scheffer. Near-linear time medial-axis approximation of smooth curves in  $\mathbf{R}^3$ . *Journal of Computational Geometry*, 7(1):360–429, 2016. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/238>.
- [Schleimer:2019:TWK] Saul Schleimer, Arnaud de Mesmay, Jessica Purcell, and Eric Sedgwick. On the tree-width of knot diagrams. *Journal of Computational Geometry*, 10(1):164–180, 2019. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/408>.
- [Pemmaraju:2011:GQV] Sriram V. Pemmaraju and Imran A. Pirwani. Good quality virtual realization of unit disk graphs. *Journal of Computational Geometry*, 2(1):69–91, 2011. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/35>.
- [Payne:2014:WPS] Michael S. Payne, Jens M. Schmidt, and David R. Wood. Which point sets admit a  $k$ -angulation? *Journal of Computational Geometry*, 5(1):41–55, 2014. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/92>.
- [Por:2010:VB] Attila Pór and David R. Wood. On visibility and blockers. *Journal of Computational Geometry*, 1(1):29–40, 2010. CODEN 180X. ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/24>.

- [Tan11] **Tancer:2011:RSC**  
 Martin Tancer.  $d$ -representability of simplicial complexes of fixed dimension. *Journal of Computational Geometry*, 2(1):183–188, 2011. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/73>.
- [TW16] **Tillmann:2016:AEC**  
 Stephan Tillmann and Sampson Wong. An algorithm for the Euclidean cell decomposition of a cusped strictly convex projective surface. *Journal of Computational Geometry*, 7(1):237–255, 2016. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/241>.
- [vKLS17] **vanKreveld:2017:CT**  
 Marc van Kreveld, Maarten Löffler, and Frank Staals. Central trajectories. *Journal of Computational Geometry*, 8(1):366–386, 2017. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/302>.
- [vKLW20] **vanKreveld:2020:OPS**  
 Marc van Kreveld, Maarten Löffler, and Lionov Wiratma. On optimal polyline simplification using the Hausdorff and Fréchet distance. *Journal of Computational Geometry*, 11(1):1–25, 2020. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/415>.
- [Wan18] **Wang:2018:GCP**  
 Haitao Wang. On the geodesic centers of polygonal domains. *Journal of Computational Geometry*, 9(1):131–190, 2018. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/290>.
- [Wan20] **Wang:2020:DCA**  
 Haitao Wang. A divide-and-conquer algorithm for two-point  $L_1$  shortest path queries in polygonal domains. *Journal of Computational Geometry*, 11(1):235–282, 2020. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/462>.
- [Wet17] **Wettstein:2017:CEC**  
 Manuel Wettstein. Counting and enumerating crossing-free geometric graphs. *Journal of Computational Geometry*, 8(1):47–77, 2017. CODEN 180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/280>.
- [WN10] **Wulff-Nilsen:2010:CMD**  
 Christian Wulff-Nilsen. Computing the maximum detour of a plane geometric graph

in subquadratic time. *Journal of Computational Geometry*, 1(1):101–122, 2010. CODEN JOCG ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/6>.

**Wang:2020:ICF**

- [WW20] Dingkan Wang and Yusu Wang. An improved cost function for hierarchical cluster trees. *Journal of Computational Geometry*, 11(1):283–331, 2020. CODEN JOCG ISSN 1920-180X. URL <https://journals.carleton.ca/jocg/index.php/jocg/article/view/431>.