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Nota di contenuto	<p>""Contents""; ""Preface""; ""Musings on discrete geometry and ""20 years of Discrete & Computational Geometry""""; ""State of the union (of geometric objects)""; ""Metric graph theory and geometry: a survey""; ""Extremal problems for convex lattice polytopes: a survey""; ""On simple arrangements of lines and pseudo-lines in P2 and R2 with the maximum number of triangles""; ""The computational complexity of convex bodies""; ""Algorithmic semi-algebraic geometry and topology a €? recent progress and open problems""; ""1. Introduction""; ""2. Semi-algebraic Geometry: Background""</p> <p>""3. Recent Algorithmic Results""""4. Algorithmic Preliminaries""; ""5. Topological Preliminaries""; ""6. Algorithms for Computing the First Few Betti Numbers""; ""7. The Quadratic Case""; ""8. Betti Numbers of Arrangements""; ""9. Open Problems""; ""Acknowledgment""; ""References""; ""Expansive motions""; ""All polygons flip finitely a€? right?""; ""Persistent homologya€?a survey""; ""Recent progress on line transversals to families of translated ovals""; ""An improved, simple construction of many halving edges""; ""Unfolding orthogonal polyhedra""</p>

"The discharging method in combinatorial geometry and the Pach-Sharir conjecture""Pseudo-triangulationsa survey"; "1. Introduction"; "2. Basic Properties of Pseudo-Triangulations"; "3. The Set of all Pseudo-Triangulations"; "4. 3D Liftings and Locally Convex Functions"; "5. Self-Stresses, Reciprocal Diagrams, and the Maxwell-Cremona Correspondence"; "6. Pseudo-Triangulations and Rigidity"; "7. Planar Rigid Graphs are Pseudo-Triangulations"; "8. Polytopes of Pseudo-Triangulations"; "9. Applications of Pseudo-Triangulations"; "References"

"Line problems in nonlinear computational geometry""On empty hexagons"; "k-sets and k-facets"; "1. Introduction"; "2. Preliminaries"; "3. Random Sampling"; "4. Special Point Sets"; "5. Lower Bounds"; "6. Upper Bounds for Halving Facets in All Dimensions"; "7. Crossings in Dimension 2."; "8. Improvements in Three And Four Dimensions"; "9. Convex Quadrilaterals"; "10. Connections to the Combinatorial Theory of Convex Polytopes"; "References"; "An ErdA's-Szekeres type problem for interior points"

"The kissing number, blocking number and covering number of a convex body""Open problems"
