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	Nota di contenuto	Cartograms and Intersection Graphs -- Stick Graphs with Length Constraints -- Representing Graphs and Hypergraphs by Touching Polygons in 3D -- Optimal Morphs of Planar Orthogonal Drawings II -- Computing Stable Demers Cartograms -- Geometric Graph Theory -- Bundled Crossings Revisited -- Crossing Numbers of Beyond-Planar Graphs -- On the 2-Colored Crossing Number -- Minimal Representations of Order Types by Geometric Graphs -- Balanced Schnyder woods for planar triangulations: an experimental study with applications to graph drawing and graph separators -- Clustering -- A Quality Metric for Visualization of Clusters in Graphs -- Multi-level Graph Drawing using Infomap Clustering -- On Strict (Outer-)Conuent

Graphs -- Quality Metrics -- On the Edge-Length Ratio of Planar Graphs -- Node Overlap Removal Algorithms: A Comparative Study -- Graphs with large total angular resolution -- Arrangements -- Computing Height-Optimal Tangles Faster -- On Arrangements of Orthogonal Circles -- Extending Simple Drawings -- Coloring Hasse diagrams and disjointness graphs of curves -- A Low Number of Crossings -- Ecient Generation of Dierent Topological Representations of Graphs Beyond-Planarity -- The QuaSEFE Problem -- ChordLink: A New Hybrid Visualization Model -- Stress-Plus-X (SPX) Graph Layout -- Best Paper in Track 1 -- Exact Crossing Number Parameterized by Vertex Cover -- Morphing and Planarity -- Maximizing Ink in Partial Edge Drawings of k-Plane Graphs -- Graph Drawing with Morphing Partial Edges -- A Note on Universal Point Sets for Planar Graphs -- Parameterized Complexity -- Parameterized Algorithms for Book Embedding Problems -- Sketched Representations and Orthogonal Planarity of Bounded Treewidth Graphs -- Collinearities -- 4-Connected Triangulations on Few Lines -- Line and Plane Cover Numbers Revisited -- Drawing planar graphs with few segments on a polynomial grid -- Variants of the Segment Number of a Graph -- Topological Graph Theory -- Local and Union Page Numbers -- Mixed Linear Layouts: Complexity, Heuristics, and Experiments -- Homotopy height, grid-major height and graph-drawing height -- On the Edge-Vertex Ratio of Maximal Thrackles -- Best Paper in Track 2 -- Symmetry Detection and Classication in Drawings of Graphs -- Level Planarity -- An SPQR-Tree-Like Embedding Representation for Upward Planarity -- A Natural Quadratic Approach to the Generalized Graph Layering Problem -- Graph Stories in Small Area -- Level-Planar Drawings with Few Slopes -- Graph Drawing Contest Report -- Graph Drawing Contest Report -- Poster Abstracts -- A 1-planarity Testing and Embedding Algorithm -- Stretching Two Pseudolines in Planar Straight-Line Drawings -- Adventures in Abstraction: Reachability in Hierarchical Drawings -- On Topological Book Embedding for k-Plane Graphs -- On Compact RAC Drawings -- FPQ-choosable Planarity Testing -- Packing Trees into 1-Planar Graphs -- Geographic Network Visualization Techniques: A Work-In-Progress Taxonomy -- On the Simple Quasi Crossing Number of K 11 -- Minimising Crossings in a Tree-Based Network -- Crossing Families and Their Generalizations -- Which Sets of Strings are Pseudospherical?.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 27th International Symposium on Graph Drawing and Network Visualization, GD 2019, held in Prague, Czech Republic, in September 2019. The 42 papers and 12 posters presented in this volume were carefully reviewed and selected from 113 submissions. They were organized into the following topical sections: Cartograms and Intersection Graphs, Geometric Graph Theory, Clustering, Quality Metrics, Arrangements, A Low Number of Crossings, Best Paper in Track 1, Morphing and Planarity, Parameterized Complexity, Collinearities, Topological Graph Theory, Best Paper in Track 2, Level Planarity, Graph Drawing Contest Report, and Poster Abstracts. |