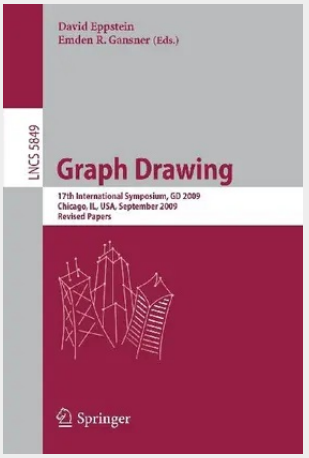
Eppstein / Gansner

Graph Drawing

17th International Symposium, GD 2009, Chicago, IL, USA, September 22-25, 2009. Revised Papers

McClelland,MichaelJ.PelsmajerandMarcusSchaefer.

Invited Talks.- Why Are String Graphs So Beautiful?.- The Art of Cheating When Drawing a Graph.- Papers.- Drawing Hamiltonian Cycles with No Large Angles.- Area, Curve Complexity, and Crossing Resolution of Non-planar Graph Drawings.- On the Perspectives Opened by Right Angle Crossing Drawings.- Drawing 3-Polytopes with Good Vertex Resolution.- Planar Drawings of Higher-Genus Graphs.- Splitting Clusters to Get C-Planarity.- On the Characterization of Level Planar Trees by Minimal Patterns.- Characterization of Unlabeled Radial Level Planar Graphs.- Upward Planarization Layout.- More Flexible Radial Layout.- WiGis: A Framework for Scalable Web-Based Interactive Graph Visualizations.- Port Constraints in Hierarchical Layout of Data Flow Diagrams.- Fast Edge-Routing for Large Graphs.- Leftist Canonical Ordering.- Succinct Greedy Drawings Do Not Always Exist.- Geometric Simultaneous Embeddings of a Graph and a Matching.- Algebraic Methods for Counting Euclidean Embeddings of Rigid Graphs.- Removing Independently Even Crossings.- Manhattan-Geodesic Embedding of Planar Graphs.- Orthogonal Connector Routing.- On Rectilinear Drawing of Graphs.- Semi-bipartite Graph Visualization for Gene Ontology Networks.- On Open Problems in Biological Network Visualization.- A Novel Grid-Based Visualization Approach for Metabolic Networks with Advanced Focus&Context View.- Small Drawings of Series-Parallel Graphs and Other Subclasses of Planar Graphs.- Drawing Trees in a Streaming Model.- The Planar Slope Number of Planar Partial 3-Trees of Bounded Degree.- Drawing Planar 3-Trees with Given Face-Areas.- 3D Visibility Representations by Regular Polygons.- Complexity of Some Geometric and Topological Problems.- On Planar Supports for Hypergraphs.- DAGmaps and ?-Visibility Representations ofDAGs.- Drawing Directed Graphs Clockwise.- An Improved Algorithm for the Metro-line Crossing Minimization Problem.- Layout with Circular and Other Non-linear Constraints Using Procrustes Projection.- Posters.- GMap: Drawing Graphs as Maps.- Using High Dimensions to Compare Drawings of Graphs.- On ?-Constrained Upward Topological Book Embeddings.- 4-Labelings and Grid Embeddings of Plane Quadrangulations.- IBM ILOG Graph Layout for Eclipse.- Layout Techniques Coupled with Web2.0-Based Business Process Modeling.- Proving or Disproving Planar Straight-Line Embeddability onto Given Rectangles.- Visualization of Complex BPEL Models.- DAGmaps and Dominance Relationships.- Scaffold Hunter - Interactive Exploration of Chemical Space.- Graph Drawing Contest.- Graph Drawing Contest Report.



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