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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 894
Disciplina	006.6
Soggetti	Application software
	Discrete mathematics
	Algorithms
	Combinatorics
	Software engineering
	Computer graphics
	Discrete Mathematics
	Algorithm Analysis and Problem Complexity
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Three-dimensional graph drawing 3-D visualization of program information (extended abstract and system demonstration) 3D layout of reachability graphs of communicating processes A flow approach to upward drawings of toroidal maps Improved algorithms and bounds for orthogonal drawings On bend-minimum orthogonal upward drawing of directed planar graphs Grid layouts of block diagrams — bounding the number of bends in each connection (extended abstract) On drawing a graph convexly in the plane (extended abstract) On drawing angle graphs Regular edge labelings and drawings of planar graphs Minimum-width grid drawings of plane graphs extend abstract Regular orientations,

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	arboricity, and augmentation The polyhedral approach to the maximum planar subgraph problem: New chances for related problems Crossing numbers of graphs, lower bound techniques and algorithms: A survey Graph-drawing contest report Visibility graphs and oriented matroids (extended abstract) Rectangle-visibility representations of bipartite graphs On the number of directions in visibility representations of graphs (extended abstract) Directed VR-representable graphs have unbounded dimension GraphEd: A graphical platform for the implementation of graph algorithms (extended abstract and demo) Graph layout through the VCG tool Drawing telecommunication networks Reduction of visual complexity in dynamic graphs TOSCANA A graphical tool for analyzing and exploring data Characterization and recognition of point-halfspace and related orders Redrawing a graph within a geometric tolerance On the difficulty of embedding planar graphs with inaccuracies A system for drawing graphs vith geometric symmetry Demonstration of the interactive graph visualization system da Vinci CG: A graph drawing system using graph-grammar parsing A demonstration of interactive graph based visual language applications A simple algorithm for drawing large graphs on small screens Molecular graph eigenvectors for molecular coordinates On the complexity of upward and rectlinear planarity testing Upward planarity testing of outerplanar dags (extended abstract) Optimal-area upward drawings of AVL trees Upward drawing on the plane grid using less ink Proximity drawability: A survey extended abstract Proximity constraints and representable trees (extended abstract) Recigning rectangle of influence drawable graphs: Magnetic-spring algorithm Integration of declarative and algorithm for undirected graphs (extended abstract and system demonstration) Drawing regarhs A simple and unified method for drawing graphs: Magnetic-spring algorithm Integration of declarati
Sommario/riassunto	This volume constitutes the proceedings of the DIMACS International Workshop on Graph Drawing, GD '94, held in Princeton, New Jersey in October 1994. The 50 papers and system descriptions presented address the problem of constructing geometric representations of abstract graphs, networks and hypergraphs, with applications to key technologies such as software engineering, databases, visual interfaces, and circuit layout; they are organized in sections on three-dimensional drawings, orthogonal drawings, planar drawings, crossings, applications and systems, geometry, system demonstrations, upward drawings, proximity drawings, declarative and other approaches; in addition reports on a graph drawing contest and a poster gallery are included.