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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Talk -- Interactive Proofs for Quantum Computation -- Drawing Plane Graphs -- 1A Computational Geometry I -- Linear Time Algorithm for Approximating a Curve by a Single-Peaked Curve -- A Dynamic Dictionary for Priced Information with Application -- Voronoi Diagram in the Flow Field -- Polygonal Path Approximation: A Query Based Approach -- 1B Graph and Combinatorial Algorithms I -- A

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Sommario/riassunto

This volume contains the proceedings of the 14th Annual International Symposium on Algorithms and Computation (ISAAC 2003), held in Kyoto, Japan, 15–17 December 2003. In the past, it was held in Tokyo (1990), Taipei (1991), Nagoya (1992), Hong Kong (1993), Beijing (1994), Cairns (1995), Osaka (1996), Singapore (1997), Taejon (1998), Chennai (1999), Taipei (2000), Christchurch (2001), and Vancouver (2002).

ISAAC is an annual international symposium that covers the very wide range of topics in algorithms and computation. The main purpose of the symposium is to provide a forum for researchers working in algorithms and the theory of computation where they can exchange ideas in this active research community. In response to our call for papers, we received unexpectedly many submissions, 207 papers. The task of selecting the papers in this volume was done by our program committee and referees. After a thorough review process, the committee selected 73 papers. The selection was done on the basis of originality and relevance to the field of algorithms and computation. We hope all accepted papers will eventually appear in scientific journals in more polished forms. The best paper award was given for “On the Geometric Dilation of Finite Point Sets” to Annette Ebbers-Baumann, Ansgar Grune and Rolf Klein. Two eminent invited speakers, Prof. Andrew Chi-Chih Yao of Princeton University and Prof. Takao Nishizeki of Tohoku University, contributed to this proceedings.

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