1. Record Nr. UNICAMPANIAVAN0039711

Autore	Ruby, Pascal
Titolo	2: Planches / par Pascal Ruby
Pubbl/distr/stampa	Rome, : École française de Rome Naples, : Centre Jean Berard, 1995
Descrizione fisica	112 p. di tav. di cui 11 sciolte ; 29 cm.
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910151936403321

Titolo	Handbook of Teichmüller Theory, Volume I / / Athanase Papadopoulos
Pubbl/distr/stampa	Zuerich, Switzerland, : European Mathematical Society Publishing House, 2007
ISBN	3-03719-529-0
Descrizione fisica	1 online resource (802 pages)
Collana	IRMA Lectures in Mathematics and Theoretical Physics (IRMA) ; , 2523-5133 ; ; 11
Classificazione	30-xx32-xx
Soggetti	Complex analysis Functions of a complex variable Several complex variables and analytic spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Teichmuller theory, old and new / Athanase Papadopoulos -- Harmonic maps and Teichmuller theory / Georgios D. Daskalopoulos, Richard A. Wentworth -- On Teichmuller's metric and Thurston's asymmetric metric on Teichmuller space / Athanase Papadopoulos, Guillaume Theret -- Surfaces, circles, and solenoids /

Robert C. Penner -- About the embedding of Teichmuller space in the space of geodesic Holder distributions / Jean-Pierre Otal -- Teichmuller spaces, triangle groups and Grothendieck dessins / William J. Harvey -- On the boundary of Teichmuller disks in Teichmuller and in Schottky space / Frank Herrlich, Gabriela Schmithusen -- Introduction to mapping class groups of surfaces and related groups / Shigeyuki Morita -- Geometric survey of subgroups of mapping class groups / John Loftin -- Deformations of Kleinian groups / Albert Marden -- Geometry of the complex of curves and of Teichmuller space / Ursula Hamenstadt -- Parameters for generalized Teichmuller spaces / Charalampos Charitos, Ioannis Papadoperakis -- On the moduli space of singular euclidean surfaces / Marc Troyanov -- Discrete Riemann surfaces / Christian Mercat -- On quantizing Teichmuller and Thurston theories / Leonid Chekhov, Robert C. Penner -- Dual Teichmuller and lamination spaces / Vladimir V. Fock, Alexander Goncharov -- An analog of a modular functor from quantized Teichmuller theory / Jorg Teschner -- On quantum moduli space of flat PSL2()-connections on a punctured surface / Rinat Kashaev.

Sommario/riassunto

The Teichmuller space of a surface was introduced by O. Teichmuller in the 1930s. It is a basic tool in the study of Riemann's moduli space and of the mapping class group. These objects are fundamental in several fields of mathematics including algebraic geometry, number theory, topology, geometry, and dynamics. The original setting of Teichmuller theory is complex analysis. The work of Thurston in the 1970s brought techniques of hyperbolic geometry in the study of Teichmuller space and of its asymptotic geometry. Teichmuller spaces are also studied from the point of view of the representation theory of the fundamental group of the surface in a Lie group G, most notably G =PSL(2,) and G=PSL(2,). In the 1980s, there evolved an essentially combinatorial treatment of the Teichmuller and moduli spaces involving techniques and ideas from high-energy physics, namely from string theory. The current research interests include the quantization of Teichmuller space, the Weil-Petersson symplectic and Poisson geometry of this space as well as gauge-theoretic extensions of these structures. The quantization theories can lead to new invariants of hyperbolic 3-manifolds. The purpose of this handbook is to give a panorama of some of the most important aspects of Teichmuller theory. The handbook should be useful to specialists in the field, to graduate students, and more generally to mathematicians who want to learn about the subject. All the chapters are self-contained and have a pedagogical character. They are written by leading experts in the subject.

3.	Record Nr.	UNINA9910484414603321
	Titolo	Approximation, Randomization, and Combinatorial Optimization. Algorithms and Techniques : 12th International Workshop, APPROX 2009, and 13th International Workshop, RANDOM 2009, Berkeley, CA, USA, August, 21-23, 2009, Proceedings / / edited by Irit Dinur, Klaus Jansen, Seffi Naor, José Rolim
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
	ISBN	3-642-03685-6
	Edizione	[1st ed. 2009.]
	Descrizione fisica	1 online resource (XII, 742 p. 41 illus.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5687
	Classificazione	DAT 517f DAT 537f MAT 410f MAT 913f SS 4800
	Altri autori (Persone)	DinurIrit
	Disciplina	005.11
	Soggetti	Computer programming Algorithms Computer science - Mathematics Discrete mathematics Numerical analysis Mathematical statistics Programming Techniques Discrete Mathematics in Computer Science Numerical Analysis Symbolic and Algebraic Manipulation Probability and Statistics in Computer Science
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Contributed Talks of APPROX -- Approximation Algorithms and Hardness Results for Packing Element-Disjoint Steiner Trees in Planar Graphs -- Adaptive Sampling for k-Means Clustering -- Approximations for Aligned Coloring and Spillage Minimization in

Interval and Chordal Graphs -- Unsplittable Flow in Paths and Trees and Column-Restricted Packing Integer Programs -- Truthful Mechanisms via Greedy Iterative Packing -- Resource Minimization Job Scheduling -- The Power of Preemption on Unrelated Machines and Applications to Scheduling Orders -- New Hardness Results for Diophantine Approximation -- PASS Approximation -- Optimal Sherali-Adams Gaps from Pairwise Independence -- An Approximation Scheme for Terrain Guarding -- Scheduling with Outliers -- Improved Inapproximability Results for Maximum k-Colorable Subgraph -- Improved Absolute Approximation Ratios for Two-Dimensional Packing Problems -- On the Optimality of Gluing over Scales -- On Hardness of Pricing Items for Single-Minded Bidders -- Real-Time Message Routing and Scheduling -- Approximating Some Network Design Problems with Node Costs -- Submodular Maximization over Multiple Matroids via Generalized Exchange Properties -- Robust Algorithms for on Minor-Free Graphs Based on the Sherali-Adams Hierarchy -- Minimizing Average Shortest Path Distances via Shortcut Edge Addition -- Approximating Node-Connectivity Augmentation Problems -- A 7/9 - Approximation Algorithm for the Maximum Traveling Salesman Problem -- Approximation Algorithms for Domatic Partitions of Unit Disk Graphs -- On the Complexity of the Asymmetric VPN Problem -- Contributed Talks of RANDOM -- Deterministic Approximation Algorithms for the Nearest Codeword Problem -- Strong Parallel Repetition Theorem for Free Projection Games -- Random Low Degree Polynomials are Hard to Approximate -- Composition of Semi-LTCs by Two-Wise Tensor Products -- On the Security of Goldreich’s One-Way Function -- Random Tensors and Planted Cliques -- Sampling s-Concave Functions: The Limit of Convexity Based Isoperimetry -- Average-Case Analyses of Vickrey Costs -- A Hypergraph Dictatorship Test with Perfect Completeness -- Extractors Using Hardness Amplification -- How Well Do Random Walks Parallelize? -- An Analysis of Random-Walk Cuckoo Hashing -- Hierarchy Theorems for Property Testing -- Algorithmic Aspects of Property Testing in the Dense Graphs Model -- Succinct Representation of Codes with Applications to Testing -- Efficient Quantum Tensor Product Expanders and k-Designs -- Hellinger Strikes Back: A Note on the Multi-party Information Complexity of AND -- Pseudorandom Generators and Typically-Correct Derandomization -- Baum’s Algorithm Learns Intersections of Halfspaces with Respect to Log-Concave Distributions -- Tolerant Linearity Testing and Locally Testable Codes -- Pseudorandom Bit Generators That Fool Modular Sums -- The Glauber Dynamics for Colourings of Bounded Degree Trees -- Testing ±1-weight halfspace -- Small-Bias Spaces for Group Products -- Small Clique Detection and Approximate Nash Equilibria -- Testing Computability by Width Two OBDDs -- Improved Polynomial Identity Testing for Read-Once Formulas -- Smooth Analysis of the Condition Number and the Least Singular Value.

Sommario/riassunto

This volume contains the papers presented at the 12th International Wo- shop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX 2009) and the 13th International Workshop on Randomization and Computation (RANDOM 2009), which took place concurrently at the HP - ditorium in UC Berkeley, USA, during August 21-23, 2009. APPROX focuses on algorithmic and complexity issues surrounding the development of e'cient approximate solutions to computationally di'cult problems, and was the 12th in the series after Aalborg (1998), Berkeley (1999), Saarbru ¨cken (2000), Ber- ley (2001), Rome (2002), Princeton (2003), Cambridge (2004), Berkeley (2005), Barcelona (2006), Princeton (2007), and Boston (2008).

RANDOM is concerned with applications of randomness to computational and combinatorial problems, and was the 13th workshop in the series following Bologna (1997), Barcelona (1998), Berkeley(1999),Geneva(2000),Berkeley(2001),Harvard(2002),Prin- ton (2003), Cambridge (2004), Berkeley (2005), Barcelona (2006), Princeton (2007), and Boston (2008). Topics of interest for APPROX and RANDOM are: design and analysis of approximation algorithms, hardness of approximation, small space algorithms, sub-linear time algorithms, streaming algorithms, embeddings and metric space methods, mathematicalprogrammingmethods,combinatorialproblemsingraphs andnetworks,gametheory,markets,andeconomicapplications, geometricpr- lems, packing, covering, scheduling, approximate learning, design and analysis of online algorithms, randomized complexity theory, pseudorandomness and - randomization, randomcombinatorialstructures, randomwalks/Markovchains, expander graphs and randomness extractors, probabilistic proof systems, err-correctingcodes,average-caseanalysis,propertytesting, computationallearning theory, and other applications of approximation and randomness. The volume contains 25 contributed papers, selected by the APPROX Program Committee out of 56 submissions, and 28 contributed papers, selected by the RANDOM Program Committee out of 57 submissions.