

1. Record Nr.	UNINA9910811521203321
Titolo	Geometric topology : Joint U.S.-Israel Workshop on Geometric Topology, June 10-16, 1992, Technion, Haifa, Israel / / Cameron Gordon, Yoav Moriah, Bronislaw Wajnryb, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1994] ©1994
ISBN	0-8218-7755-0
Descrizione fisica	1 online resource (xiv, 246 p.) : ill. ;
Collana	Contemporary mathematics, ; 164 , 0271-4132
Disciplina	514/.2
Soggetti	Low-dimensional topology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	The 3-torus is Kervaire / Andrew J. Duncan and James Howie -- A topological interpretation of the Atiyah-Patodi-Singer invariant / M. Farber and J. Levine -- On groups of special NEC type -- A Freiheitssatz and related results for a class of multi-relator groups / Benjamin Fine and Gerhard Rosenberger -- Collapsing and reconstruction of manifolds / David Gillman, Sergei Matveev and Dale Rolfsen -- Metrics on manifolds with convex or concave boundary / Joel Hass -- Geometric structures on branched covers over universal links / Kerry N. Jones -- Link homotopy and skein modules of 3-manifolds / Uwe Kaiser -- Bordism of link maps and selfintersections / Ulrich Koschorke -- The monodromy of the Brieskorn bundle / A. Leibman and D. Markushevich -- Verlinde formulae for surfaces with spin structure / G. Masbaum and P. Vogel -- Knots that cannot be obtained from a trivial knot by twisting / Katura Miyazaki and Akira Yasuhara -- The arithmetic of braids and a statement of Chisini / B. Moishezon. On tunnel number and connected sum of knots and links / Kanji Morimoto -- Essential laminations in 3-manifolds obtained by surgery on 2-bridge knots / Ramin Naimi -- A dynamical system approach to free actions on R-trees: A survey with complements / Frederic Paulin -- On a tangle presentation of the mapping class groups of surfaces / Sergei Matveev and Michael Polyak -- Thin position for 3-manifolds /

Martin Scharlemann and Abigail Thompson -- On embeddings of a graph into R^3 / Kouki Taniyama.

Sommario/riassunto

Geometric topology has undergone tremendous changes in the past decade or so. Many of the big questions facing mathematicians in this area have been answered, and new directions and problems have arisen. One of the characteristics of the field is the diversity of tools researchers bring to it. The Workshop on Geometric Topology was held in June 1992 at Technion-Israel Institute of Technology in Haifa, to bring together researchers from different subfields to share knowledge, ideas, and tools.

This volume contains the refereed proceedings of the conference.