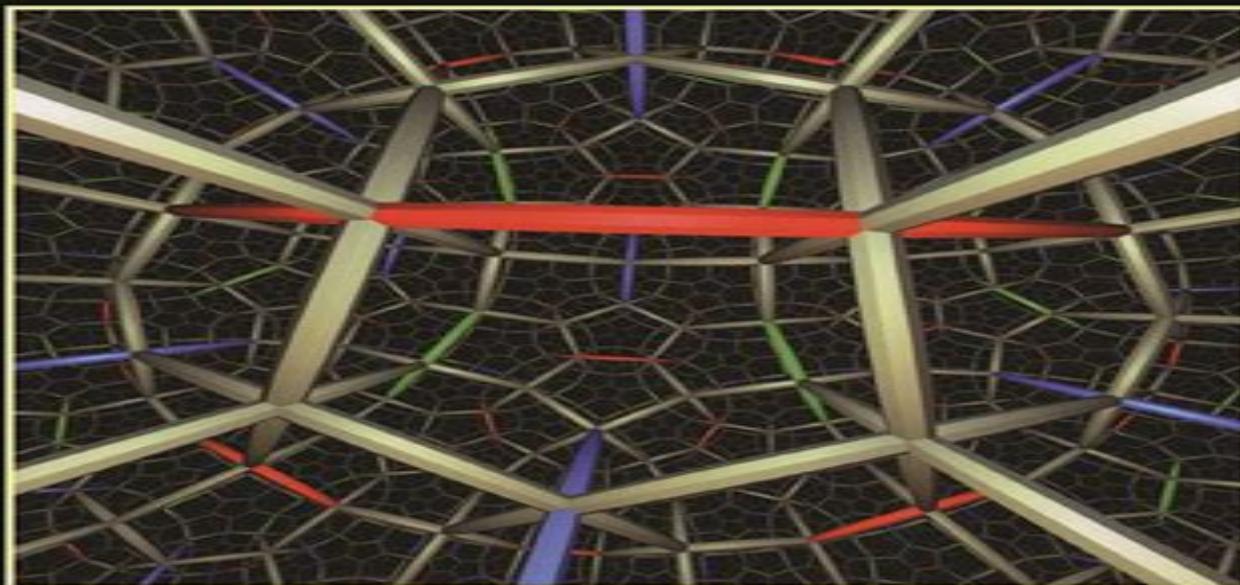


William P. Thurston

Edited by Silvio Levy

Three-Dimensional Geometry and Topology

VOLUME 1



Three Dimensional Geometry And Topology Volume 1

**Michel Boileau, Sylvain Maillot, Joan
Porti**



Three Dimensional Geometry And Topology Volume 1:

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Algebraic and Combinatorial Aspects of Tropical Geometry Erwan Brugalle, Maria Angelica Cueto, Alicia Dickenstein, Eva-Maria Feichtner, Ilia Itenberg, 2013-05-23 This volume contains the proceedings of the CIEM workshop on Tropical Geometry held December 12 16 2011 at the International Centre for Mathematical Meetings CIEM Castro Urdiales Spain Tropical geometry is a new and rapidly developing field of mat

Three-dimensional Orbifolds and Their Geometric Structures Michel Boileau, Sylvain Maillot, Joan Porti, 2003 Orbifolds locally look like quotients of manifolds by finite group actions They play an important role in the study of proper actions of discrete groups on manifolds This monograph presents recent fundamental results on the geometry and topology of 3 dimensional orbifolds with an emphasis on their geometric properties It is suitable for graduate students and research mathematicians interested in geometry and topology

Three-dimensional Orbifolds and Cone-manifolds Daryl Cooper, Craig David Hodgson, Steve Kerckhoff, 2000 This volume provides an excellent introduction of the statement and main ideas in the proof of the orbifold theorem announced by Thurston in late 1981 It is based on the authors lecture series entitled Geometric Structures on 3 Dimensional Orbifolds which was featured in the third MSJ Regional Workshop on Cone Manifolds and Hyperbolic Geometry

held on July 10 1998 at Tokyo Institute of Technology The orbifold theorem shows the existence of geometric structures on many 3 orbifolds and on 3 manifolds with symmetry The authors develop the basic properties of orbifolds and cone manifolds extends many ideas from the differential geometry to the setting of cone manifolds and outlines a proof of the orbifold theorem

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