

Triangulated Manifolds

Written from a Computational Topology point-of-view the intention of this book is to provide the reader with an easy and up-to-date access to a wide range of topics concerning topological, combinatorial, and geometric aspects of triangulated manifolds.

As a compendium of many classical results, complemented with new material, the book is equipped with an extensive bibliography. An atlas of small triangulations is also included.

The list of topics comprises: classification results, PL structures and recognition techniques, computation of invariants, explicit constructions of examples, enumeration procedures, f -vectors of triangulations, vertex-minimal, vertex-transitive, and centrally symmetric examples, realizability issues, polytopality and tightness of triangulations.

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