The book was found

Topology And Geometry (Graduate Texts In Mathematics)

Graduate Texts in Mathematics

Glen E. Bredon

Topology and Geometry

Springer
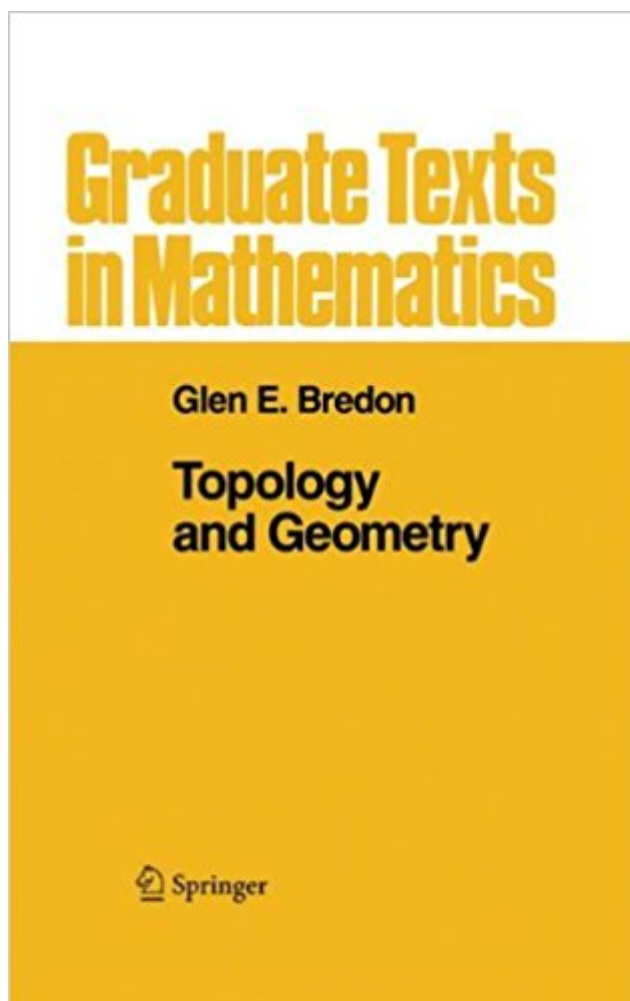
Synopsis

This book offers an introductory course in algebraic topology. Starting with general topology, it discusses differentiable manifolds, cohomology, products and duality, the fundamental group, homology theory, and homotopy theory. From the reviews: "An interesting and original graduate text in topology and geometry...a good lecturer can use this text to create a fine course....A beginning graduate student can use this text to learn a great deal of mathematics."Ã¢â¬â¢-MATHEMATICAL REVIEWS

Book Information

Series: Graduate Texts in Mathematics (Book 139)

Hardcover: 557 pages

Publisher: Springer; Corrected edition (October 17, 1997)

Language: English

ISBN-10: 0387979263

ISBN-13: 978-0387979267

Product Dimensions: 6.1 x 1.3 x 9.2 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars   14 customer reviews

Best Sellers Rank: #469,008 in Books (See Top 100 in Books)   #89 inÃ Â Books > Science & Math > Mathematics > Geometry & Topology > Topology   #272 inÃ Â Books > Textbooks > Science & Mathematics > Mathematics > Geometry   #16060 inÃ Â Books > Textbooks > Education

Customer Reviews

G.E. Bredon Topology and Geometry "An interesting and original graduate text in topology and geometry. The topics covered include . . . general topology, smooth manifolds, homology and homotopy groups, duality, cohomology and products . . . a good lecturer can use this text to create a fine course at the appropriate level . . . There are various innovative things, which are accessible but not traditionally covered. A beginning graduate student can use this text to learn a great deal of mathematics."Ã¢â¬â¢MATHEMATICAL REVIEWS

I actually did not like this book as a first year grad student. The treatment of general topology is sufficient, but not the best (the author doesn't make any claims that it is either). I think this is a good book for those that are interested in getting into topology and also want to understand the relationship between topology and differential geometry. My research is starting to move in the

direction of symplectic geometry and this book has been a great source for understanding differential geometry for a topologist. The treatment of DeRham cohomology, products, and duality are good. Bredon gives the reader just enough information to proceed in proofs, so this book is quite an exercise and forces the reader to understand what is going on-I really like that aspect of the author's style.Overall, a good book.

Excellent book and excellent service!

It was a gift and was perfect for this person.

perfect!

good

Wide background in a lot of algebra and analysis is required just to make sense of the first chapters. More of a reference than a text.

While I agree with reviewers generally that this is a good book, i should warn that bredon isnt for the faint of heart. He makes use of simple language from category theory, doesnt always completely introduce his discussions (see for example the chapter on the tangent bundle where tangent bundle is never defined), and some other things that are nuisances to the newcomer.I do think this is a good modern readable textbook, but for the student who has a solid foundation in mathematics. I didnt find it as accessible as other topology books, say Hatcher or Lee's books (but lee's are not as complete).

If you want to learn topology, this book is the place. Though this text can require some maturity, the range of topics and the clarity of exposition are outstanding. My only complaint is that an additional appendix covering the basics of category theory would have been quite useful. Bredon not infrequently uses the language of category theory (though always in a non-essential way). Since this text is aimed at 1st year graduate students, I think the tacit assumption that the student has already encountered these topics is not justified. That such a minor point is my chief complaint speaks volumes of my esteem for this text.

Topology and Geometry (Graduate Texts in Mathematics) Modern Geometry Ã¢â ¬â ¢ Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) Differential Topology (Graduate Texts in Mathematics) Algebraic Topology: An Introduction (Graduate Texts in Mathematics) (v. 56) Geometry, Topology and Physics, Second Edition (Graduate Student Series in Physics) Differential Geometry: Connections, Curvature, and Characteristic Classes (Graduate Texts in Mathematics) Riemannian Holonomy Groups and Calibrated Geometry (Oxford Graduate Texts in Mathematics) Commutative Algebra: with a View Toward Algebraic Geometry (Graduate Texts in Mathematics) Algebraic Geometry (Graduate Texts in Mathematics) Algebraic Geometry: A First Course (Graduate Texts in Mathematics) (v. 133) The Geometry of Schemes (Graduate Texts in Mathematics) Lectures on Discrete Geometry (Graduate Texts in Mathematics) The Geometry of Discrete Groups (Graduate Texts in Mathematics) Topology and Geometry for Physicists (Dover Books on Mathematics) Basic Topology (Undergraduate Texts in Mathematics) Geometry, Particles, and Fields (Graduate Texts in Contemporary Physics) Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics) Introduction to Tropical Geometry (Graduate Studies in Mathematics) Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1 (Catalogue of the Books of the Dead and Other Religious Texts in the British Museum) Introduction to Elliptic Curves and Modular Forms (Graduate Texts in Mathematics)