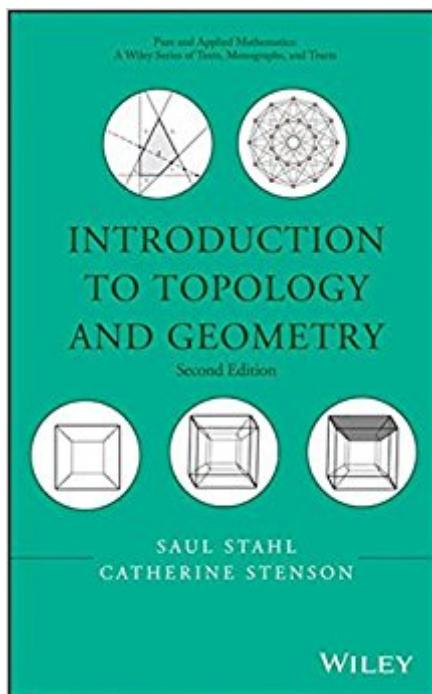


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# Introduction To Topology And Geometry



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An easily accessible introduction to over three centuries of innovations in geometry Praise for the First Edition âœ. . . a welcome alternative to compartmentalized treatments bound to the old thinking. This clearly written, well-illustrated book supplies sufficient background to be self-contained.â • â "CHOICE This fully revised new edition offers the most comprehensive coverage of modern geometry currently available at an introductory level. The book strikes a welcome balance between academic rigor and accessibility, providing a complete and cohesive picture of the science with an unparalleled range of topics.â Illustrating modern mathematical topics, *Introduction to Topology and Geometry, Second Edition* discusses introductory topology, algebraic topology, knot theory, the geometry of surfaces, Riemann geometries, fundamental groups, and differential geometry, which opens the doors to a wealth of applications. With its logical, yet flexible, organization, the Second Edition: â¢ Explores historical notes interspersed throughout the exposition to provide readers with a feel for how the mathematical disciplines and theorems came into being â¢ Provides exercises ranging from routine to challenging, allowing readers at varying levels of study to master the concepts and methods â¢ Bridges seemingly disparate topics by creating thoughtful and logical connections â¢ Contains coverage on the elements of polytope theory, which acquaints readers with an exposition of modern theory *Introduction to Topology and Geometry, Second Edition* is an excellent introductory text for topology and geometry courses at the upper-undergraduate level. In addition, the book serves as an ideal reference for professionals interested in gaining a deeper understanding of the topic.

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