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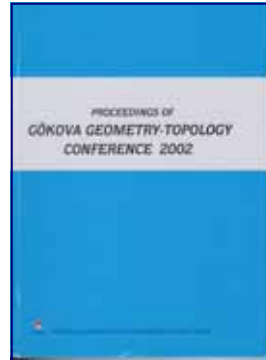
Gokova Geometry and Topology Conference 2002

Published by the Scientific and Technical Research Council of Turkey

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Editors: Selman Akbulut, Turgut Onder, and Ronald Stern
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Description

Since its inception in 1992, the Gokova conference has been a premiere mathematics event sponsored by the Scientific and Technical Research Council of Turkey. The participants include distinguished mathematicians who came from different parts of the world. This conference proceedings presents their inspiring talks and follow-up articles which reflect the latest developments in Geometry and Topology. The proceedings of previous years, by the same editors, are also available from International Press for \$25 each. (See page 22)

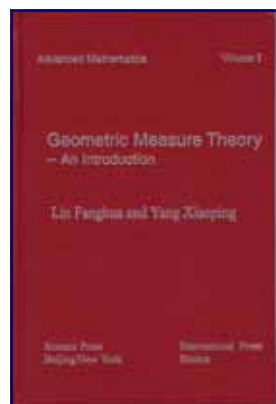
Geometric Measure Theory - An Introduction

Co-published by Science Press & International Press

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- 1 Hausdorff Measure
- 2 Fine Properties of Functions and Sets and Their Applications
- 3 Lipschitz Functions and Rectifiable Sets
- 4 The Area and Co-area Formulae
- 5 BV Functions and Sets of Finite Perimeter
- 6 Theory of Varifolds
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Authors: Fanghua Lin and Xiao Ping Yang
 ISBN: 1-57146-125-6
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 Binding: Hardcover
 Price: \$55



Description

Since the publication of the seminal work of H. Federer which gives a rather complete and comprehensive discussion on the subject, the geometric measure theory has developed in the last three decades into an even more cohesive body of basic knowledge with an ample structure of its own, establishing strong ties with many other areas of mathematics and made numerous new striking applications. The present book is intended for the researchers in other fields of mathematics as well as graduate students for a quick overview on the subject of the geometric measure theory emphasizing on various basic ideas, techniques and their applications in problems arising in the calculus of variations, geometrical analysis and nonlinear partial differential equations. This graduate-level treatment of Geometric Measure Theory illustrates with concrete examples and emphasizes basic ideas and techniques with their applications to the calculus of variations, geometrical analysis, and nonlinear PDEs. The book, in addition to a full index and bibliography, include eight main chapters.