Google Drive



Different Faces of Geometry (International Mathematical Series)

Download now

Click here if your download doesn"t start automatically

Different Faces of Geometry (International Mathematical Series)

Different Faces of Geometry (International Mathematical Series)

Different Faces of Geometry - edited by the world renowned geometers S. Donaldson, Ya. Eliashberg, and M. Gromov - presents the current state, new results, original ideas and open questions from the following important topics in modern geometry:

Amoebas and Tropical Geometry
Convex Geometry and Asymptotic Geometric Analysis
Differential Topology of 4-Manifolds
3-Dimensional Contact Geometry
Floer Homology and Low-Dimensional Topology
Kahler Geometry
Lagrangian and Special Lagrangian Submanifolds
Refined Seiberg-Witten Invariants.

These apparently diverse topics have a common feature in that they are all areas of exciting current activity. The Editors have attracted an impressive array of leading specialists to author chapters for this volume: G. Mikhalkin (USA-Canada-Russia), V.D. Milman (Israel) and A.A. Giannopoulos (Greece), C. LeBrun (USA), Ko Honda (USA), P. Ozsvath (USA) and Z. Szabo (USA), C. Simpson (France), D. Joyce (UK) and P. Seidel (USA), and S. Bauer (Germany).

"One can distinguish various themes running through the different contributions. There is some emphasis on invariants defined by elliptic equations and their applications in low-dimensional topology, symplectic and contact geometry (Bauer, Seidel, Ozsvath and Szabo). These ideas enter, more tangentially, in the articles of Joyce, Honda and LeBrun. Here and elsewhere, as well as explaining the rapid advances that have been made, the articles convey a wonderful sense of the vast areas lying beyond our current understanding. Simpson's article emphasizes the need for interesting new constructions (in that case of Kahler and algebraic manifolds), a point which is also made by Bauer in the context of 4-manifolds and the "11/8 conjecture." LeBrun's article gives another perspective on 4-manifold theory, via Riemannian geometry, and the challenging open questions involving the geometry of even "well-known" 4-manifolds.
There are also striking contrasts between the articles. The authors have taken different approaches: for example, the thoughtful essay of Simpson, the new research results of LeBrun and the thorough expositions with homework problems of Honda.
One can also ponder the differences in the style of mathematics. In the articles of Honda, Giannopoulos and Milman, and Mikhalkin, the "geometry" is present in a very vivid and tangible way; combining respectively with topology, analysis and algebra. The papers of Bauer and Seidel, on the other hand, makes the point that algebraic and algebro-topological abstraction (triangulated categories, spectra) can play an important role in very unexpected ways in concrete geometric problems." - From the Preface by the Editors

Download Different Faces of Geometry (International Mathema ...pdf

Read Online Different Faces of Geometry (International Mathe ...pdf

Download and Read Free Online Different Faces of Geometry (International Mathematical Series)

From reader reviews:

Janelle Smith:

Do you have favorite book? Should you have, what is your favorite's book? Book is very important thing for us to find out everything in the world. Each reserve has different aim or maybe goal; it means that publication has different type. Some people feel enjoy to spend their time for you to read a book. They can be reading whatever they take because their hobby is reading a book. What about the person who don't like studying a book? Sometime, man feel need book if they found difficult problem or even exercise. Well, probably you will need this Different Faces of Geometry (International Mathematical Series).

Nancy Hunt:

The actual book Different Faces of Geometry (International Mathematical Series) has a lot associated with on it. So when you read this book you can get a lot of profit. The book was authored by the very famous author. This articles author makes some research just before write this book. This particular book very easy to read you can find the point easily after perusing this book.

James Fitzgibbons:

People live in this new time of lifestyle always make an effort to and must have the free time or they will get wide range of stress from both way of life and work. So , when we ask do people have time, we will say absolutely indeed. People is human not just a robot. Then we question again, what kind of activity have you got when the spare time coming to a person of course your answer will certainly unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative throughout spending your spare time, the book you have read will be Different Faces of Geometry (International Mathematical Series).

Charles Bock:

Is it you who having spare time subsequently spend it whole day simply by watching television programs or just lying down on the bed? Do you need something totally new? This Different Faces of Geometry (International Mathematical Series) can be the solution, oh how comes? A fresh book you know. You are consequently out of date, spending your extra time by reading in this brand new era is common not a geek activity. So what these guides have than the others?

Download and Read Online Different Faces of Geometry (International Mathematical Series) #JIYZTH9MX24

Read Different Faces of Geometry (International Mathematical Series) for online ebook

Different Faces of Geometry (International Mathematical Series) Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Different Faces of Geometry (International Mathematical Series) books to read online.

Online Different Faces of Geometry (International Mathematical Series) ebook PDF download

Different Faces of Geometry (International Mathematical Series) Doc

Different Faces of Geometry (International Mathematical Series) Mobipocket

Different Faces of Geometry (International Mathematical Series) EPub