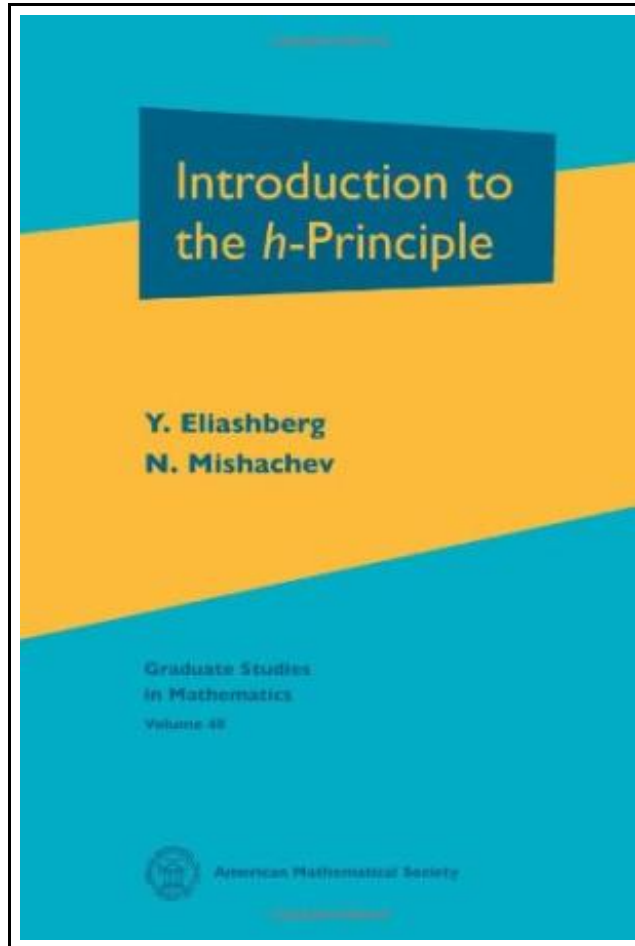# Introduction to the H-principle

Filesize: 1.64 MB

Reviews

Without doubt, this is the very best function by any writer. It typically will not charge too much. I discovered this publication from my dad and i encouraged this pdf to discover.
(Clement Stanton)

INTRODUCTION TO THE H-PRINCIPLE

To get **Introduction to the H-principle** PDF, make sure you access the button listed below and save the ebook or gain access to additional information which might be in conjuction with INTRODUCTION TO THE H-PRINCIPLE ebook.

American Mathematical Society. Hardback. Book Condition: new. BRAND NEW, Introduction to the H-principle, Yakov Eliashberg, N. Mishachev, In differential geometry and topology one often deals with systems of partial differential equations, as well as partial differential inequalities, that have infinitely many solutions whatever boundary conditions are imposed. It was discovered in the fifties that the solvability of differential relations (i.e. equations and inequalities) of this kind can often be reduced to a problem of a purely homotopy-theoretic nature. One says in this case that the corresponding differential relation satisfies the h-principle. Two famous examples of the h-principle, the Nash-Kuiper C^1-isometric embedding theory in Riemannian geometry and the Smale-Hirsch immersion theory in differential topology, were later transformed by Gromov into powerful general methods for establishing the h-principle.The authors cover two main methods for proving the h-principle: holonomic approximation and convex integration. The reader will find that, with a few notable exceptions, most instances of the h-principle can be treated by the methods considered here. A special emphasis in the book is made on applications to symplectic and contact geometry. Gromov's famous book ""Partial Differential Relations"", which is devoted to the same subject, is an encyclopedia of the h-principle, written for experts, while the present book is the first broadly accessible exposition of the theory and its applications. The book would be an excellent text for a graduate course on geometric methods for solving partial differential equations and inequalities. Geometers, topologists and analysts will also find much value in this very readable exposition of an important and remarkable topic.

📕 **Read Introduction to the H-principle Online**
📄 **Download PDF Introduction to the H-principle**

You May Also Like

[PDF] Britain's Got Talent" 2010 2010 (Annual)

Access the link listed below to read "Britain's Got Talent" 2010 2010 (Annual)" document.

Download Book »

[PDF] Kids Perfect Party Book ("Australian Women's Weekly")

Access the link listed below to read "Kids Perfect Party Book ("Australian Women's Weekly")" document.

Download Book »

[PDF] Cat's Claw ("24" Declassified)

Access the link listed below to read "Cat's Claw ("24" Declassified)" document.

Download Book »

[PDF] Leave It to Me (Ballantine Reader's Circle)

Access the link listed below to read "Leave It to Me (Ballantine Reader's Circle)" document.

Download Book »

[PDF] Let's Find Out!: Building Content Knowledge With Young Children

Access the link listed below to read "Let's Find Out!: Building Content Knowledge With Young Children" document.

Download Book »

[PDF] Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products

Access the link listed below to read "Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products" document.

Download Book »