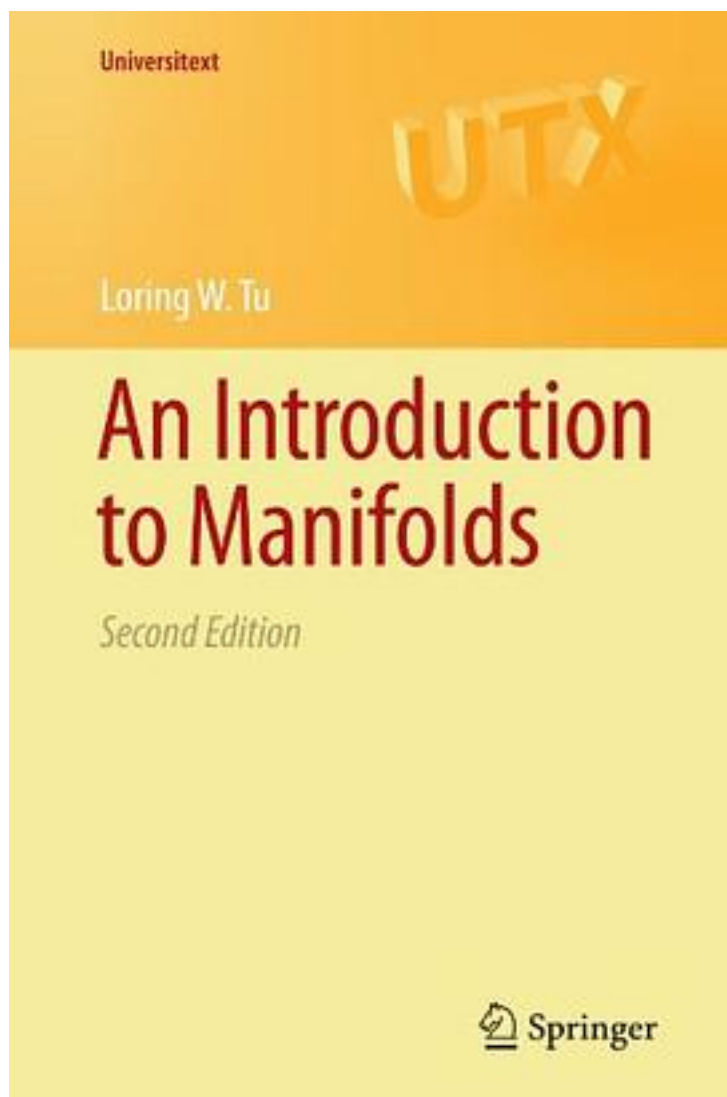


An Introduction to Manifolds



[An Introduction to Manifolds 下载链接1](#)

著者:Loring W. Tu

出版者:Springer

出版时间:2007-10-29

装帧:Paperback

isbn:9780387480985

In this streamlined introduction to the subject, the theory of manifolds is presented with the aim of helping the reader achieve a rapid mastery of the essential topics. By the end of the book the reader should be able to compute, at least for simple spaces, one of the most basic topological invariants of a manifold, its de Rham cohomology. Along the way the reader acquires the knowledge and skills necessary for further study of geometry and topology. The requisite point-set topology is included in an appendix of twenty pages, while other appendices review facts from real analysis and linear algebra. Hints and solutions are provided to many of the exercises and problems.

作者介绍:

目录:

[An Introduction to Manifolds_ 下载链接1](#)

标签

数学

to

Springer

Manifolds

Introduction

An

2007

评论

[An Introduction to Manifolds_ 下载链接1](#)

书评

没有人评价的一本书，好奇怪。在我看来，这本书是流形理论最佳的入门书。作者是曾经和Raul Bott合写Differential Forms in Algebraic Topology的Loring Tu。读这本书不需要什么太多的数学基础，作者从最基础的东西一步步develop整个流形理论。习题大部分都有答案或者提示，而且...

学完近世代数，看这本书应该不成问题。比北大陈维桓的书好看的多，由于使用了代数学的理论，使得证明过程大为精炼。Boothby的书该讲的没讲透，大家都知道的扯了一大堆。总的来说，这本书很和我的胃口，力荐！

内容比较少，浅显。不算Appendix的话就300页左右，比较适合初学者。想再深入点就没办法了。作者说是这本书是经典的“Differential forms in algebraic topology”的前传。但是，正如很多经典电影的前传一样，这本书差了原书几个档次。Bott大师已逝，经典不再重现。

[An Introduction to Manifolds_ 下载链接1](#)