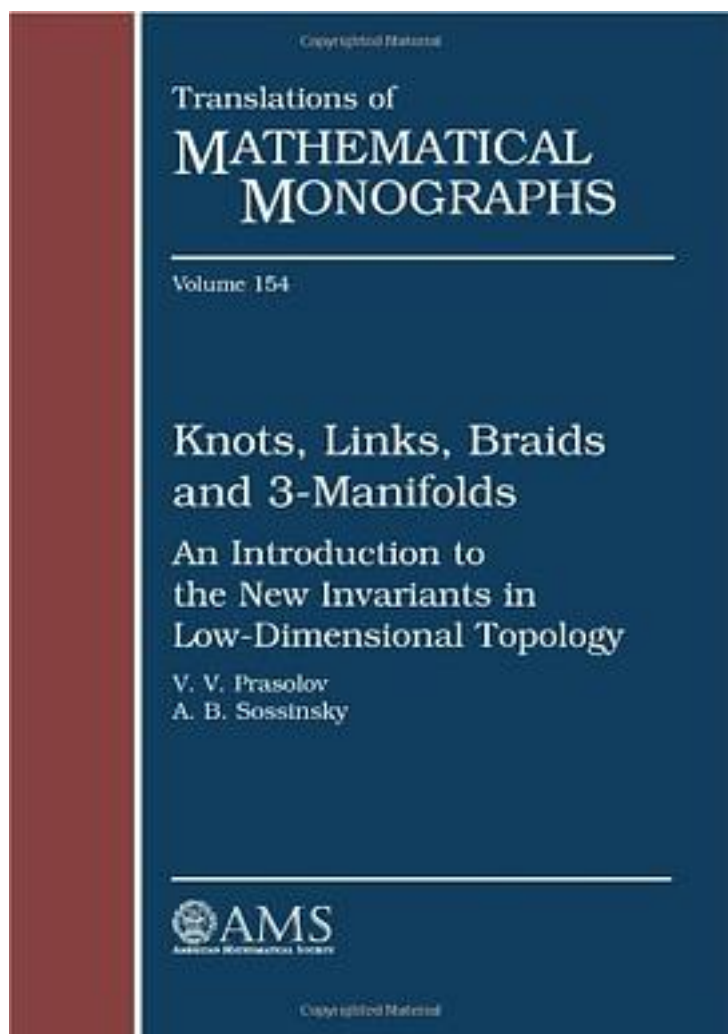


Knots, Links, Braids and 3-Manifolds



[Knots, Links, Braids and 3-Manifolds_ 下载链接1](#)

著者:V. V. Prasolov

出版者:American Mathematical Society

出版时间:1996-10

装帧:Hardcover

isbn:9780821805886

This book is an introduction to the remarkable work of Vaughan Jones and Victor

Vassiliev on knot and link invariants and its recent modifications and generalizations, including a mathematical treatment of Jones-Witten invariants. It emphasizes the geometric aspects of the theory and treats topics such as braids, homeomorphisms of surfaces, surgery of 3-manifolds (Kirby calculus), and branched coverings. This attractive geometric material, interesting in itself yet not previously gathered in book form, constitutes the basis of the last two chapters, where the Jones-Witten invariants are constructed via the rigorous skein algebra approach (mainly due to the Saint Petersburg school).

Unlike several recent monographs, where all of these invariants are introduced by using the sophisticated abstract algebra of quantum groups and representation theory, the mathematical prerequisites are minimal in this book. Numerous figures and problems make it suitable as a course text and for self-study.

作者介绍:

目录:

[Knots, Links, Braids and 3-Manifolds 下载链接1](#)

标签

俄国

topology

评论

教材，1-5章，20-21，26-27，31-32节
低维的简介。目标是Jones多项式和Vassiliev不变量

[Knots, Links, Braids and 3-Manifolds 下载链接1](#)

书评

[Knots, Links, Braids and 3-Manifolds 下载链接1](#)