



Knot Theory and Its Applications

By Kunio Murasugi

Birkhäuser Okt 2007, 2007. Taschenbuch. Book Condition: Neu. 235x155x18 mm. This item is printed on demand - Print on Demand Titel. Neuware - This book introduces the study of knots, providing insights into recent applications in DNA research and graph theory. It sets forth fundamental facts such as knot diagrams, braid representations, Seifert surfaces, tangles, and Alexander polynomials. It also covers more recent developments and special topics, such as chord diagrams and covering spaces. The author avoids advanced mathematical terminology and intricate techniques in algebraic topology and group theory. Numerous diagrams and exercises help readers understand and apply the theory. Each chapter includes a supplement with interesting historical and mathematical comments. Knot theory is a concept in algebraic topology that has found applications to a variety of mathematical problems as well as to problems in computer science, biological and medical research, and mathematical physics. This book is directed to a broad audience of researchers, beginning graduate students, and senior undergraduate students in these fields. The book contains most of the fundamental classical facts about the theory, such as knot diagrams, braid representations, Seifert surfaces, tangles, and Alexander polynomials; also included are key newer developments and special topics such as chord diagrams...



READ ONLINE
[7.04 MB]

Reviews

Basically no words and phrases to describe. It is really simplified but unexpected situations in the fifty percent of your book. I am delighted to let you know that here is the very best publication i have got go through within my very own lifestyle and might be he greatest publication for actually.

-- **Watson Kohler**

It in a of my personal favorite book. It is witter in easy terms and never hard to understand. Its been designed in an exceedingly easy way and it is only after i finished reading this publication by which in fact changed me, change the way i think.

-- **Lucinda Stiedemann**