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An Interactive Introduction To Knot Theory (Aurora: Dover Modern Math Originals)

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An Interactive Introduction to
KNOT THEORY

Inga Johnson and Allison Henrich
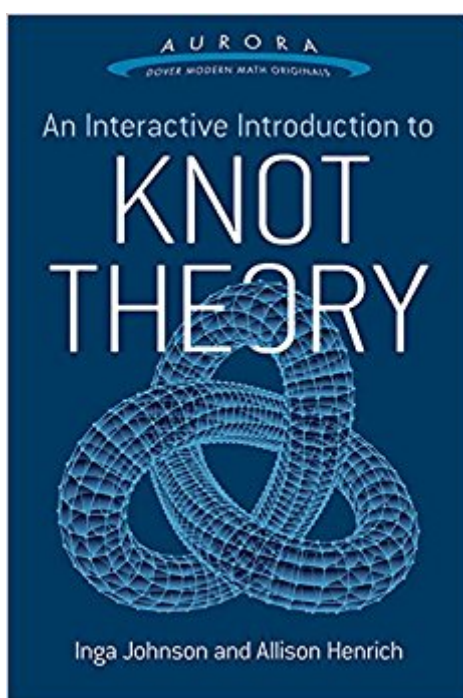
Synopsis

This well-written and engaging volume, intended for undergraduates, introduces knot theory, an area of growing interest in contemporary mathematics. The hands-on approach features many exercises to be completed by readers. Prerequisites are only a basic familiarity with linear algebra and a willingness to explore the subject in a hands-on manner.The opening chapter offers activities that explore the world ofÃ Â knots and links Ã¢â ¬â • including games with knots Ã¢â ¬â • and invites the reader to generate their own questions in knot theory. Subsequent chapters guide the reader to discover the formal definition of a knot, families of knots and links, and various knot notations.Ã Â Additional topics include combinatorial knot invariants, knot polynomials,Ã Â unknotting operations, and virtual knots.

Book Information

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Customer Reviews

Allison Henrich is Associate Professor and Chair of the Department of Mathematics at Seattle University.Inga Johnson is Professor of Mathematics at Willamette University.

I think this is the easiest way to start understanding knot theory. The book by Cromwell had been my previous favorite, but certain notions like links are introduced speedily in this treatment and totally are left absent in the appendix of my previous choice.

Much too algebraic in its orientation.

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