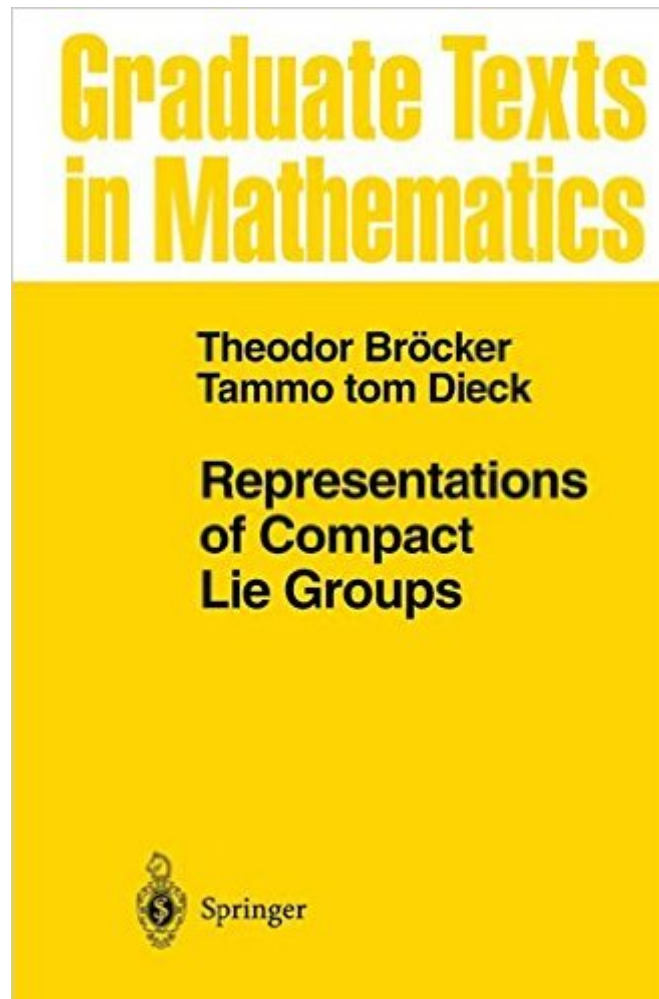


The book was found

# Representations Of Compact Lie Groups (Graduate Texts In Mathematics)



## Synopsis

This introduction to the representation theory of compact Lie groups follows Herman Weyl's original approach. It discusses all aspects of finite-dimensional Lie theory, consistently emphasizing the groups themselves. Thus, the presentation is more geometric and analytic than algebraic. It is a useful reference and a source of explicit computations. Each section contains a range of exercises, and 24 figures help illustrate geometric concepts.

## Book Information

Series: Graduate Texts in Mathematics (Book 98)

Hardcover: 316 pages

Publisher: Springer (July 12, 2003)

Language: English

ISBN-10: 3540136789

ISBN-13: 978-3540136781

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars See all reviews (3 customer reviews)

Best Sellers Rank: #1,407,252 in Books (See Top 100 in Books) #204 in Books > Science & Math > Mathematics > Pure Mathematics > Group Theory #473 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Linear #2945 in Books > Textbooks > Science & Mathematics > Mathematics > Algebra & Trigonometry

## Customer Reviews

Most lie groups books fall into one of two categories: geometrically motivated ones, and algebraically motivated ones. I prefer the former. If you're perfectly happy with a more algebraic treatment, read no further. There aren't very many geometrically flavored books on lie groups; I can think of only this one and "Compact lie groups" by Sepanski. His book has a nicer treatment of harmonic analysis, but this one beats his in almost every other respect. Sepanski is often too concise. Still, this book has a long way to go to be really great. Though you're not assumed to have a prior knowledge of lie groups (just smooth manifold theory), you're going to crash and burn without it. That's why I suggest John Lee's Introduction to Smooth Manifolds before taking on this book. It has the best preparation in elementary lie groups you'll ever hope to find. It'll prepare you for Bocker and Dieck. Even then, the book isn't incredibly well written. In short, there is no really well-written text on lie groups from a geometric perspective, but this one's the best there is. I hope

someone writes a better one eventually.

As much as the content is great, the print quality is outrageous. This edition is a photocopy of the original printing, and it's hard to read. Surprised by the fact that Springer couldn't be bothered to even digitise the text.

Good start book for Rep. theory if you want to start with an analytic way. This book is NEW, no mark at all!

[Download to continue reading...](#)

Representations of Compact Lie Groups (Graduate Texts in Mathematics) Lie Groups, Lie Algebras, and Representations: An Elementary Introduction (Graduate Texts in Mathematics) Lie Groups, Lie Algebras, and Representations: An Elementary Introduction Applications of Lie Groups to Differential Equations (Graduate Texts in Mathematics) Groups and Symmetries: From Finite Groups to Lie Groups (Universitext) Lie Groups: An Approach through Invariants and Representations (Universitext) The Symmetric Group: Representations, Combinatorial Algorithms, and Symmetric Functions (Graduate Texts in Mathematics, Vol. 203) Quantum Groups (Graduate Texts in Mathematics) Differential Geometry, Lie Groups, and Symmetric Spaces, Volume 80 (Pure and Applied Mathematics) Representations of Algebraic Groups (Mathematical Surveys and Monographs) Groups, Graphs and Trees: An Introduction to the Geometry of Infinite Groups (London Mathematical Society Student Texts) Classical Groups and Geometric Algebra (Graduate Studies in Mathematics) THE COMPACT, NO-NONSENSE GUIDE TO BADMINTON (COMPACT, NO-NONSENSE GUIDES Book 1) Stochastic Models, Information Theory, and Lie Groups, Volume 2: Analytic Methods and Modern Applications (Applied and Numerical Harmonic Analysis) Groups and Symmetry (Undergraduate Texts in Mathematics) Graph Theory (Graduate Texts in Mathematics) Functions of One Complex Variable II (Graduate Texts in Mathematics, Vol. 159) Algebraic Geometry (Graduate Texts in Mathematics) Categories for the Working Mathematician (Graduate Texts in Mathematics) Commutative Algebra: with a View Toward Algebraic Geometry (Graduate Texts in Mathematics)

[Dmca](#)