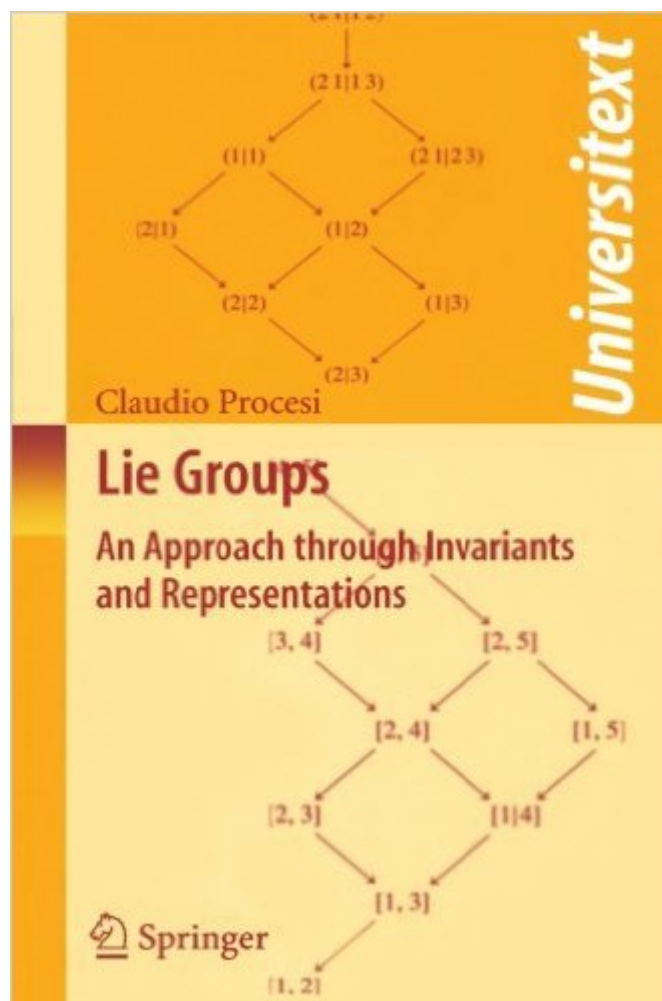


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# Lie Groups: An Approach Through Invariants And Representations (Universitext)



## Synopsis

Lie groups has been an increasing area of focus and rich research since the middle of the 20th century. In *Lie Groups: An Approach through Invariants and Representations*, the author's masterful approach gives the reader a comprehensive treatment of the classical Lie groups along with an extensive introduction to a wide range of topics associated with Lie groups: symmetric functions, theory of algebraic forms, Lie algebras, tensor algebra and symmetry, semisimple Lie algebras, algebraic groups, group representations, invariants, Hilbert theory, and binary forms with fields ranging from pure algebra to functional analysis. By covering sufficient background material, the book is made accessible to a reader with a relatively modest mathematical background. Historical information, examples, exercises are all woven into the text. This unique exposition is suitable for a broad audience, including advanced undergraduates, graduates, mathematicians in a variety of areas from pure algebra to functional analysis and mathematical physics.

## Book Information

Series: Universitext

Paperback: 600 pages

Publisher: Springer; 2007 edition (February 22, 2009)

Language: English

ISBN-10: 0387260404

ISBN-13: 978-0387260402

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars See all reviews (1 customer review)

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## Customer Reviews

This is a beautiful book. From what I have read so far, it is very clearly written (undoubtedly the product of years of rewritings and revisions), connecting topics that are very connected but normally never included in one book on Lie groups (including symmetric functions, tableaux and many other topics from algebraic combinatorics). I plan to write a more detailed review once I have finished

reading it, but at 600 pages (of densely packed but very well organized information) and less than US\$50.00, it is very highly recommended as a textbook and as a reference. PS If this book were published by Kluwer, they would probably be charging US\$500.00

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