



Group Theory in a Nutshell for Physicists

A. Zee

[Download now](#)

[Read Online ➔](#)

Group Theory in a Nutshell for Physicists

A. Zee

Group Theory in a Nutshell for Physicists A. Zee

Although group theory is a mathematical subject, it is indispensable to many areas of modern theoretical physics, from atomic physics to condensed matter physics, particle physics to string theory. In particular, it is essential for an understanding of the fundamental forces. Yet until now, what has been missing is a modern, accessible, and self-contained textbook on the subject written especially for physicists.

Group Theory in a Nutshell for Physicists fills this gap, providing a user-friendly and classroom-tested text that focuses on those aspects of group theory physicists most need to know. From the basic intuitive notion of a group, A. Zee takes readers all the way up to how theories based on gauge groups could unify three of the four fundamental forces. He also includes a concise review of the linear algebra needed for group theory, making the book ideal for self-study.

Provides physicists with a modern and accessible introduction to group theory

Covers applications to various areas of physics, including field theory, particle physics, relativity, and much more

Topics include finite group and character tables; real, pseudoreal, and complex representations; Weyl, Dirac, and Majorana equations; the expanding universe and group theory; grand unification; and much more

The essential textbook for students and an invaluable resource for researchers

Features a brief, self-contained treatment of linear algebra

An online illustration package is available to professors

Solutions manual (available only to professors)

Group Theory in a Nutshell for Physicists Details

Date : Published March 29th 2016 by Princeton University Press (first published March 22nd 2016)

ISBN : 9780691162690

Author : A. Zee

Format : Hardcover 632 pages

Genre : Science, Physics, Mathematics, Textbooks

 [Download Group Theory in a Nutshell for Physicists ...pdf](#)

 [Read Online Group Theory in a Nutshell for Physicists ...pdf](#)

Download and Read Free Online Group Theory in a Nutshell for Physicists A. Zee

From Reader Review Group Theory in a Nutshell for Physicists for online ebook

Group Theory in a Nutshell for Physicists Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Group Theory in a Nutshell for Physicists A. Zee books to read online.