Lie Groups, Lie Algebras, and Some of Their Applications

By Mathematics

Dover Publications. Paperback. Book Condition: New. Paperback. 608 pages. Dimensions: 8.3in. x 5.1in. x 1.2in.Lie group theory plays an increasingly important role in modern physical theories. Many of its calculations remain fundamentally unchanged from one field of physics to another, altering only in terms of symbols and the language. Using the theory of Lie groups as a unifying vehicle, concepts and results from several fields of physics can be expressed in an extremely economical way. With rigor and clarity, this text introduces upper-level undergraduate students to Lie group theory and its physical applications. An opening discussion of introductory concepts leads to explorations of the classical groups, continuous groups and Lie groups, and Lie groups and Lie algebras. Some simple but illuminating examples are followed by examinations of classical algebras, Lie algebras and root spaces, root spaces and Dynkin diagrams, real forms, and contractions and expansions. Reinforced by numerous exercises, solved problems, and figures, the text concludes with a bibliography and indexes. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

DOWNLOAD PDF

READ ONLINE
[8.6 MB]

Reviews

Complete information for publication fanatics. It is actually rally intriguing throgh reading period of time. I am happy to explain how this is actually the greatest publication i actually have read inside my own daily life and may be he finest ebook for possibly.
-- Ms. Heidi Rath

Totally among the best publication I actually have actually go through. It can be filled with wisdom and knowledge Once you begin to read the book, it is extremely difficult to leave it before concluding.
-- Glen Ernser