Symmetry, Representations, and Invariants (Hardback)

By Roe Goodman, Nolan R. Wallach

Springer-Verlag New York Inc., United States, 2009. Hardback. Book Condition: New. 2nd Revised edition. 236 x 162 mm. Language: English . Brand New Book ***** Print on Demand *****.Symmetry is a key ingredient in many mathematical, physical, and biological theories. Using representation theory and invariant theory to analyze the symmetries that arise from group actions, and with strong emphasis on the geometry and basic theory of Lie groups and Lie algebras, Symmetry, Representations, and Invariants is a significant reworking of an earlier highly-acclaimed work by the authors. The result is a comprehensive introduction to Lie theory, representation theory, invariant theory, and algebraic groups, in a new presentation that is more accessible to students and includes a broader range of applications. The philosophy of the earlier book is retained, i.e., presenting the principal theorems of representation theory for the classical matrix groups as motivation for the general theory of reductive groups. The wealth of examples and discussion prepares the reader for the complete arguments now given in the general case. Key Features of Symmetry, Representations, and Invariants: (1) Early chapters suitable for honors undergraduate or beginning graduate courses, requiring only linear algebra, basic abstract algebra, and advanced calculus; (2) Applications to...

READ ONLINE
[8.36 MB]

Reviews

Thorough guide! Its this sort of very good study. Yes, it really is play, nonetheless an interesting and amazing literature. You may like the way the blogger create this ebook.
-- Dameon Hettinger

A really awesome pdf with lucid and perfect information. It is loaded with wisdom and knowledge I am just effortlessly could get a satisfaction of reading a composed book.
-- Claudine Jerde