Mathematics : Topological Groups, Lie Groups

Godement, Roger, Paris, France

Introduction to the Theory of Lie Groups

- Written in the author’s inimitable style
- Includes full background on topological groups and group quotients
- Contains many exercises and concrete examples
- Requires only basic knowledge of topology and algebra

This textbook covers the general theory of Lie groups. By first considering the case of linear groups (following von Neumann’s method) before proceeding to the general case, the reader is naturally introduced to Lie theory. Written by a master of the subject and influential member of the Bourbaki group, the French edition of this textbook has been used by several generations of students. This translation preserves the distinctive style and lively exposition of the original. Requiring only basics of topology and algebra, this book offers an engaging introduction to Lie groups for graduate students and a valuable resource for researchers.

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