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<<理论物理学数学透视>>

图书基本信息

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内容概要

This book presents the basics of mathematics that are needed for learning the physics of today. It describes briefly the theories of groups and operators, finite- and infinite-dimensional algebras, concepts of symmetry and supersymmetry, and then delineates their relations to theories of relativity and black holes, classical and quantum physics, electroweak fields and Yang-ills. It concludes with a chapter on (the complex theory of) strings and superstrings and their link to black holes ?an idea that fascinates both the physicist and the mathematician.

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