



# Quantum Field Theory

By Lewis H. Ryder

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This book is a modern introduction to the ideas and techniques of quantum field theory. After a brief overview of particle physics and a survey of relativistic wave equations and Lagrangian methods, the author develops the quantum theory of scalar and spinor fields, and then of gauge fields. The emphasis throughout is on functional methods, which have played a large part in modern field theory. The book concludes with a brief survey of "topological" objects in field theory and, new to this edition, a chapter devoted to supersymmetry. Graduate students in particle physics and high energy physics will benefit from this book.

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## **Editorial Review**

### **Review**

"It is very strongly recommended to anyone seeking an elementary introduction to modern approaches to quantum field theory." Physics Bulletin

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