



## Quantum Field Theory, 2/e

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### About the Book

Following on from the successful first (1984) and revised (1993) editions, this extended and revised text is designed as a short and simple introduction to quantum field theory for final year physics students and for postgraduate students beginning research in theoretical and experimental particle physics.

### New to this edition:

Five new chapters, giving an introduction to quantum chromodynamics and the methods used to understand it: in particular, path integrals and the renormalization group.

The treatment of electroweak interactions has been revised and updated to take account of more recent experiments.

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### Salient Features

Explain the basic physics and formalism of quantum field theory

To make the reader proficient in theory calculations using Feynman diagrams

To introduce the reader to gauge theories, which play a central role in elementary particle physics.

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3- The Klein-Gordon Field

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