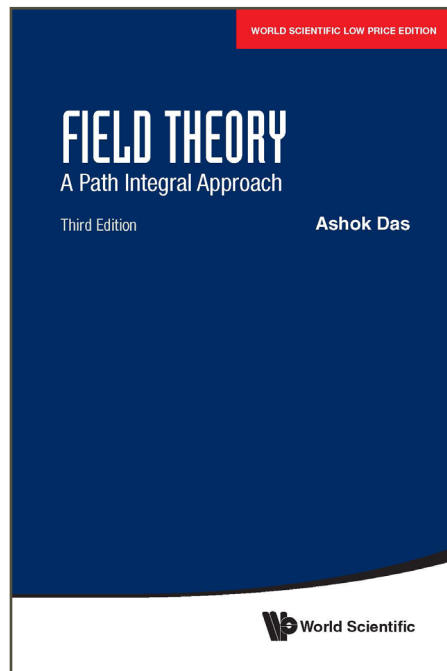


FIELD THEORY

A Path Integral Approach, 3rd Edition

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ABOUT THE BOOK

This unique book describes quantum field theory completely within the context of path integrals. With its utility in a variety of fields in physics, the subject matter is primarily developed within the context of quantum mechanics before going into specialized areas.

All the existing chapters of the previous edition have been expanded for more clarity. The chapter on anomalies and the Schwinger model has been completely rewritten for better logical clarity. Two new chapters have been added at the request of students and faculty worldwide. The first describes Schwinger's proper time method with simple examples both at zero and at finite temperature while the second develops the idea of zeta function regularization with simple examples.

This latest edition is a comprehensive and much expanded version of the original text.

READERSHIP

Researchers and practitioners in high energy, theoretical and quantum physics.

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REVIEWS

“This book is well-written and very readable. The book is a self-consistent introduction to the path integral formalism and no prior knowledge of it is required, although the reader should be familiar with quantum mechanics. This book is an excellent guide for the reader who wants a good and detailed introduction to the path integral and most of its important application in physics. I especially recommend it for graduate students in theoretical physics and for researchers who want to be introduced to the powerful path integral methods.”

Mathematical Reviews

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