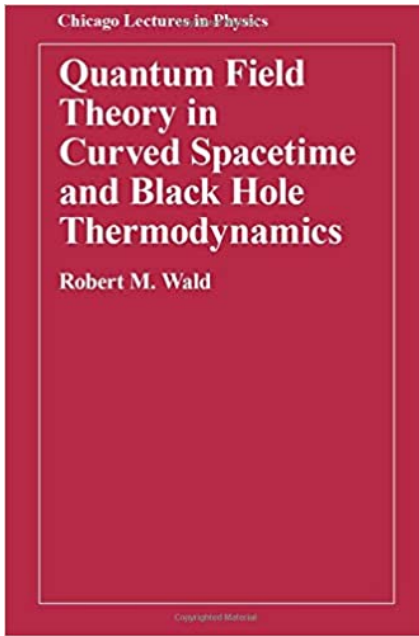


Dev Publishers
& Distributors

Quantum Field Theory in Curved Spacetime and Black Hole Thermodynamics



About the Book

In this book, Robert Wald provides a coherent, pedagogical introduction to the formulation of quantum field theory in curved spacetime. He begins with a treatment of the ordinary one-dimensional quantum harmonic oscillator, progresses through the construction of quantum field theory in flat spacetime to possible constructions of quantum field theory in curved spacetime, and, ultimately, to an algebraic formulation of the theory. In his presentation, Wald disentangles essential features of the theory from inessential ones (such as a particle interpretation) and clarifies relationships between various approaches to the formulation of the theory. He also provides a comprehensive, up-to-date account of the Unruh effect, the Hawking effect, and some of its ramifications. In particular, the subject of black hole thermodynamics, which remains an active area of research, is treated in depth.

Author: Robert M. Wald

Publisher: Dev Publishers & Distributors

Edition: First

Year: 2020

Dimension: 15 x 23 cm

No. of Pages: 220

Weight: 350 gm

ISBN: 9789394852693

Binding: Softcover

Territory: South Asia

Price: Rs. 1295

This book will be accessible to students and researchers who have had introductory courses in general relativity and quantum field theory, and will be of interest to scientists in general relativity and related fields.

About the Author

Robert M. Wald is the Charles H. Swift Distinguished Service Professor, Department of Physics, Enrico Fermi Institute, and the College at the University of Chicago.

Dev Publishers
& Distributors

STAY CONNECTED

Second Floor, Prakashdeep 22, Delhi Medical
Association Road, Darya Ganj, New Delhi – 110 002

Phone No : +91-11-4357-2647

Email ID : info@devbooks.co.in

Website : devbooks.co.in