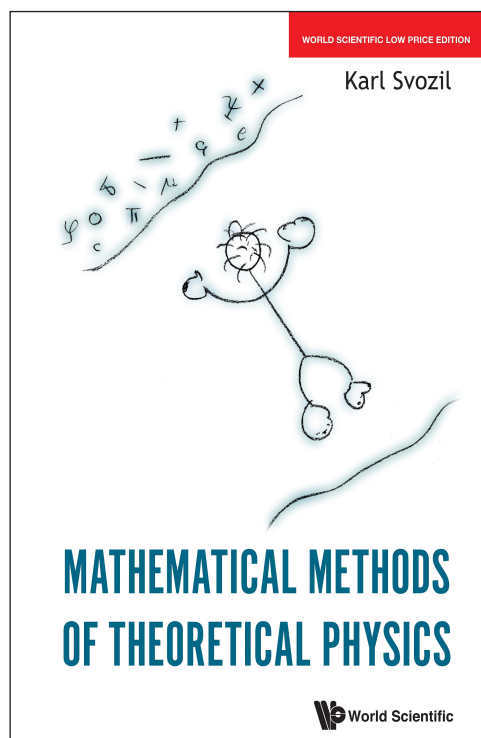


MATHEMATICAL METHODS OF THEORETICAL PHYSICS

By
Karl Svozil
(Vienna University of
Technology (TU Wien),
Austria)



ISBN 9780000990303
Extent: 332pp, PB
Pub Date: 2021
Price: Rs.1895

ABOUT THE BOOK

“This book could serve either as a good reference to remind students about what they have seen in their completed courses or as a starting point to show what needs more investigation. Svozil (Vienna Univ. of Technology) offers a very thorough text that leaves no mathematical area out, but it is best described as giving a synopsis of each application and how it relates to other areas ... The text is organized well and provides a good reference list. Summing Up: Recommended. Upper-division undergraduates and graduate students.”

CHOICE

This book contains very explicit proofs and demonstrations through examples for a comprehensive introduction to the mathematical methods of theoretical physics. It also combines and unifies many expositions of this subject, suitable for readers with interest in experimental and applied physics.

READERSHIP

Undergraduate students in Mathematical Physics and Computer Science.

Feel Books Pvt. Ltd.
4381/4 Ansari Road
Daryaganj
New Delhi 110002
Tel: +91 11 47472600

CONTENTS

- Why Mathematics?
- *Linear Vector Spaces:*
 - Finite-Dimensional Vector Spaces and Linear Algebra
 - Multilinear Algebra and Tensors
 - Groups as Permutations
 - Projective and Incidence Geometry
- *Functional Analysis:*
 - Brief Review of Complex Analysis
 - Brief Review of Fourier Transforms
 - Distributions as Generalized Functions
- *Differential Equations:*
 - Green's Function
 - Sturm–Liouville Theory
 - Separation of Variables
 - Special Functions of Mathematical Physics
 - Divergent Series

For orders or enquiries, please contact us:



Feel Books Pvt. Ltd.

Delhi Tel: +91 11 47472600, +91 9015043442, Email: orders@feelbooks.in

Bengaluru Tel: +91 80 26762129, Email: bangalore@feelbooks.in

Mumbai Tel: +91 9820284211, Email: apandey@feelbooks.in

Chennai Mobile: +91 9003047502, Email: gsrinivasan@feelbooks.in

Kolkata Mobile: +91 9836160013, Email: dbhattacharjee@feelbooks.in

www.feelbooks.in

For any queries, please email us at marketing@feelbooks.in