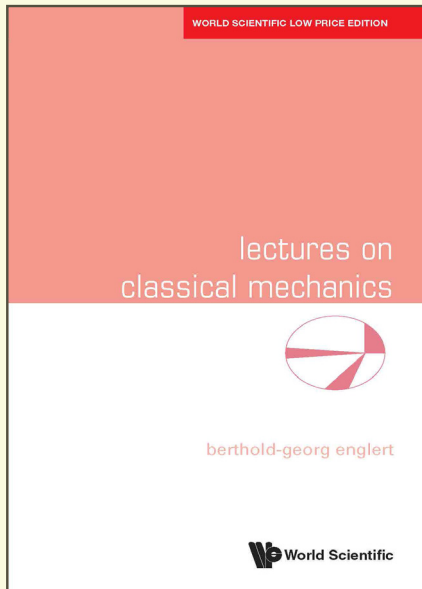


Lectures on Classical Mechanics



By **Berthold-Georg Englert**
(NUS, Singapore)

ISBN	9780000991812
Extent	376pp
Binding	Paperback
Year	2024
Price	Rs. 1395

ABOUT THE BOOK

These lecture notes cover Classical Mechanics at the level of second-year undergraduates. The book offers comprehensive as well as self-contained material that can be taught in a one-semester course for students with the minimal background knowledge acquired in preuniversity education or in the usual first-year overview. The presentation does not skip the technical details which renders the book particularly well-suited for the self-studying student.

READERSHIP

Second-year university undergraduates, course facilitators, and university lecturers.

CONTENTS

- Kinematics
- Dynamics
- Conservative Forces
- Pair Forces
- Two-Body Systems
- Gravitating Mass Distributions
- Variational Problems
- Principle of Stationary Action
- Small-Amplitude Oscillations
- From Lagrange to Hamiltonian
- Rigid Bodies
- Earth-Bound Laboratories