



3rd rev. and enlarged ed. 2000, XX, 452 p.
1 illus.

Printed book

Softcover

54,99 € | £49.99 | \$69.99

^[1]58,84 € (D) | 60,49 € (A) | CHF

65,00

eBook

46,00 € | £39.99 | \$54.99

^[2]46,00 € (D) | 46,00 € (A) | CHF

52,00

Available from your library or
springer.com/shop

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Jens M. Knudsen, Poul G. Hjorth

Elements of Newtonian Mechanics

Including Nonlinear Dynamics

Series: Advanced Texts in Physics

- Best-selling approach to Newtonian Mechanics
- New section about Spin-Orbit locking
- Problems with solutions
- Worked examples

In the third edition a number of minor misprints that appeared in the second edition have been corrected. Furthermore, 17 new problems have been added, at the end of chapters 6, 8, 9, 11, 12, 13, and 14. The answers to these 17 problems have not been listed in the 'Answers' section at the end of the book. This will permit the problems to be used as hand-in problems or perhaps in mid-term exams. JMK €9 PGH Copenhagen May 2000 Preface to the Second Edition In the second edition, a number of misprints that appeared in the first edition have been corrected. In addition to this, we have made improvements based on the experience gathered in the use of the first English edition of the book in the introductory course in physics at the University of Copenhagen. A chapter introducing nonlinear dynamics has been added. The purpose of this chapter is to provide supplementary reading for the students who are interested in this area of active research, where Newtonian mechanics plays an essential role. The students who wish to dig deeper, should consult texts dedicated to the study of nonlinear dynamical systems and chaos. The literature list at the end of this book contains several references for the topic.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

