Springer
the language of science

springer.com

Publication Date:
available

Fields of Interest:
Dynamical Systems and Ergodic Theory

Target Groups:
Mathematicians, physicists, astronomers

Vladimir I. Arnold, Steklov Mathematical Institute, Moscow, Russia and CEREMADE, Paris, France; Valery V. Kozlov, Lomonosov Moscow State University, Russia and Steklov Mathematical Institute, Moscow, Russia; Anatoly I. Neishtadt, Space Research Institute, Moscow, and Lomonosov Moscow State University, Russia

Mathematical Aspects of Classical and Celestial Mechanics

- Best book on the subject, now in its third edition

This work describes the fundamental principles, problems, and methods of classical mechanics. The main attention is devoted to the mathematical side of the subject. The authors have endeavored to give an exposition stressing the working apparatus of classical mechanics. The book is significantly expanded compared to the previous edition. The authors have added two chapters on the variational principles and methods of classical mechanics as well as on tensor invariants of equations of dynamics. Moreover, various other sections have been revised, added or expanded. The main purpose of the book is to acquaint the reader with classical mechanics as a whole, in both its classical and its contemporary aspects. The book addresses all mathematicians, physicists and engineers. From the reviews of the previous editions: "... The book accomplishes the goals it has set for itself. While it is not an introduction to the field, it is an excellent overview. ..." American Mathematical Monthly, Nov. 1989.

2006 3rd ed. XIII, 518 p. Hardcover
Encyclopaedia of Mathematical Sciences, Volume 3

► € 104.95 | £ 80.50

ISBN-10: 3-540-28246-7
ISBN-13: 978-3-540-28246-4

Order Now!

Yes, please send me ___ copies Mathematical Aspects of Classical and Celestial
ISBN-10: 3-540-28246-7 / ISBN-13: 978-3-540-28246-4 ► € 104.95 | £ 80.50

○ Please bill me
○ Please charge my credit card: ○ Eurocard/Access/Mastercard ○ Visa/Barclaycard/Bank/Americard ○ AmericanExpress

Number ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐ Valid until ☐☐☐☐

Available from

Name
Dept.
Institution
Street
City / ZIP-Code
Country
Email
Date ✖ Signature ✖

All € and £ prices are net prices subject to local VAT, e.g. in Germany 7% VAT for books & journals and 16% VAT for electronic products.
All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.

http://www.springer.com/978-3-540-28246-4

Mathematical Aspects of Classical and Celestial Mechanics

Arnold, V.I.; Kozlov, V.V.; Neishtadt, A.I.

2006, XIII, 505 p., Hardcover
ISBN: 978-3-540-28246-4