

# Astrophysics in a Nutshell Second Edition

---



## BOOK DETAILS

- Author : Dan Maoz
- Pages : 312 Pages
- Publisher : Princeton University Press
- Language : English
- ISBN : 0691164797

[↓ DOWNLOAD](#)

## BOOK SYNOPSIS

Winner of the American Astronomical Society's Chambliss Award, *Astrophysics in a Nutshell* has become the text of choice in astrophysics courses for science majors at top universities in North America and beyond. In this expanded and fully updated second edition, the book gets even better, with a new chapter on extrasolar planets; a greatly expanded chapter on the interstellar medium; fully updated facts and figures on all subjects, from the observed properties of white dwarfs to the latest results from precision cosmology; and additional instructive problem sets.

Throughout, the text features the same focused, concise style and emphasis on physics intuition that have made the book a favorite of students and teachers.

Written by Dan Maoz, a leading active researcher, and designed for advanced undergraduate science majors, *Astrophysics in a Nutshell* is a brief but thorough introduction to the observational data and theoretical concepts underlying modern astronomy. Generously illustrated, it covers the essentials of modern astrophysics, emphasizing the common physical principles that govern astronomical phenomena, and the interplay between theory and observation, while also introducing subjects at the forefront of modern research, including black holes, dark matter, dark energy, and gravitational lensing. In addition to serving as a course textbook, *Astrophysics in a Nutshell* is an ideal review for a qualifying exam and a handy reference for teachers and researchers. The most concise and current astrophysics textbook for science majors—now expanded and fully updated with the latest research results. Contains a broad and well-balanced selection of traditional and current topics. Uses simple, short, and clear derivations of physical results. Trains students in the essential skills of order-of-magnitude analysis. Features a new chapter on extrasolar planets, including discovery techniques. Includes new and expanded sections and problems on the physics of shocks, supernova remnants, cosmic-ray acceleration, white dwarf properties, baryon acoustic oscillations, and more. Contains instructive problem sets at the end of each chapter. Solutions manual (available only to professors).

**ASTROPHYSICS IN A NUTSHELL SECOND EDITION** - Are you looking for Ebook *Astrophysics In A Nutshell Second Edition*? You will be glad to know that right now *Astrophysics In A Nutshell Second Edition* is available on our online library. With our online resources, you can find *Applied Numerical Methods With Matlab Solution Manual 3rd Edition* or just about any type of ebooks, for any type of product.

Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. *Astrophysics In A Nutshell Second Edition* may not make exciting reading, but *Applied Numerical Methods With Matlab Solution Manual 3rd Edition* is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with *Astrophysics In A Nutshell Second Edition* and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with *Astrophysics In A Nutshell Second Edition*. To get started finding *Astrophysics In A Nutshell Second Edition*, you are right to find our website which has a comprehensive collection of manuals listed.