



PETER DUFFETT-SMITH

# Astronomy with your Personal Computer

SECOND EDITION

# Astronomy With Your Personal Computer

**Astronomical Society of Southern  
Africa**



## **Astronomy With Your Personal Computer:**

**Astronomy with your Personal Computer** Peter Duffett-Smith, 1990-06-29 The first edition of this very successful book was a winner of the Astronomical Society of the Pacific's Astronomy Book of the Year award in 1986 The popularity of the book's programs is based on the ease with which the amateur astronomer can perform calculations on a personal computer The routines are not specific to any make of computer and are user oriented in that they utilize a simple version of the BASIC programming language and require only a broad understanding of any particular problem Seven new subroutines in this new edition can be linked in any combination with the existing twenty six Since the programs themselves take care of details they can be used for example to calculate the time of rising of any of the planets in any part of the world at any time in the future or past or they may be used to find the circumference of the next solar eclipse visible from a particular place In fact almost every problem likely to be encountered by the amateur astronomer can be solved by a suitable combination of the routines given in this book Peter Duffett Smith is the author of another popular astronomy book *Astronomy with Your Calculator* 3rd Edition also published by Cambridge University Press

**Astronomy For Dummies** Stephen P. Maran, 2017-08-15 Your updated guide to exploring the night sky Do you know the difference between a red giant and a white dwarf From asteroids to black holes this easy to understand guide takes you on a grand tour of the universe Featuring updated star maps charts and an insert with gorgeous full color photographs *Astronomy For Dummies* provides an easy to follow introduction to exploring the night sky Plus this new edition also comes with chapter quizzes online to help your understanding For as long as people have been walking the earth those people have looked up into the night sky and wondered about the nature of the cosmos Without the benefit of science to provide answers they relied on myth and superstition to help them make sense of what they saw Lucky for us we live at a time when regular folks equipped with nothing more than their naked eyes can look up into the night sky and gain admittance to infinite wonders If you know what to look for you can make out planets stars galaxies and even galactic clusters comprising hundreds of millions of stars and spanning millions of light years Whether you're an amateur astronomer space enthusiast or enrolled in a first year astronomy course *Astronomy For Dummies* gives you a reason to look into the heavens Includes updated schedules of coming eclipses of the Sun and Moon and a revised planetary appendix Covers recent discoveries in space such as water on the Moon and Pluto's demotion from planet status Collects new websites lists of telescope motels sky watching guides and suggestions for beginner's telescopes and suppliers Provides free online access to chapter quizzes to help you understand the content Ever wonder what's out there in the big ol' universe This is the book for you

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Astronomy on the Personal Computer Oliver Montenbruck, Thomas Pfleger, 2014-03-12 A thorough introduction to the computation of celestial mechanics covering everything from astronomical and computational theory to the construction of rapid and accurate applications programs The book supplies the necessary knowledge and software solutions for determining and predicting positions of the Sun Moon planets minor planets and comets solar eclipses stellar occultations by the Moon phases of the Moon and much more This completely revised edition takes advantage of C and individual applications may be efficiently realized through the use of a powerful module library The accompanying CD ROM contains the complete fully documented and commented source codes as well as executable programs for Windows 98 2000 XP and LINUX

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