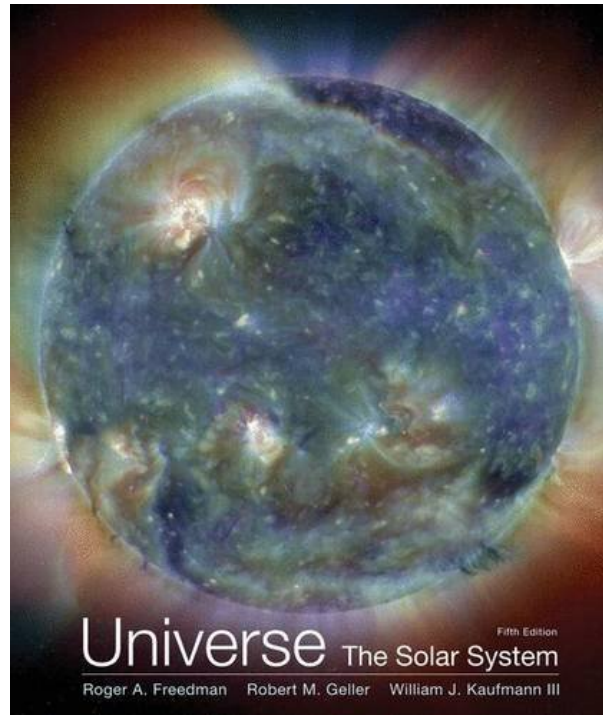
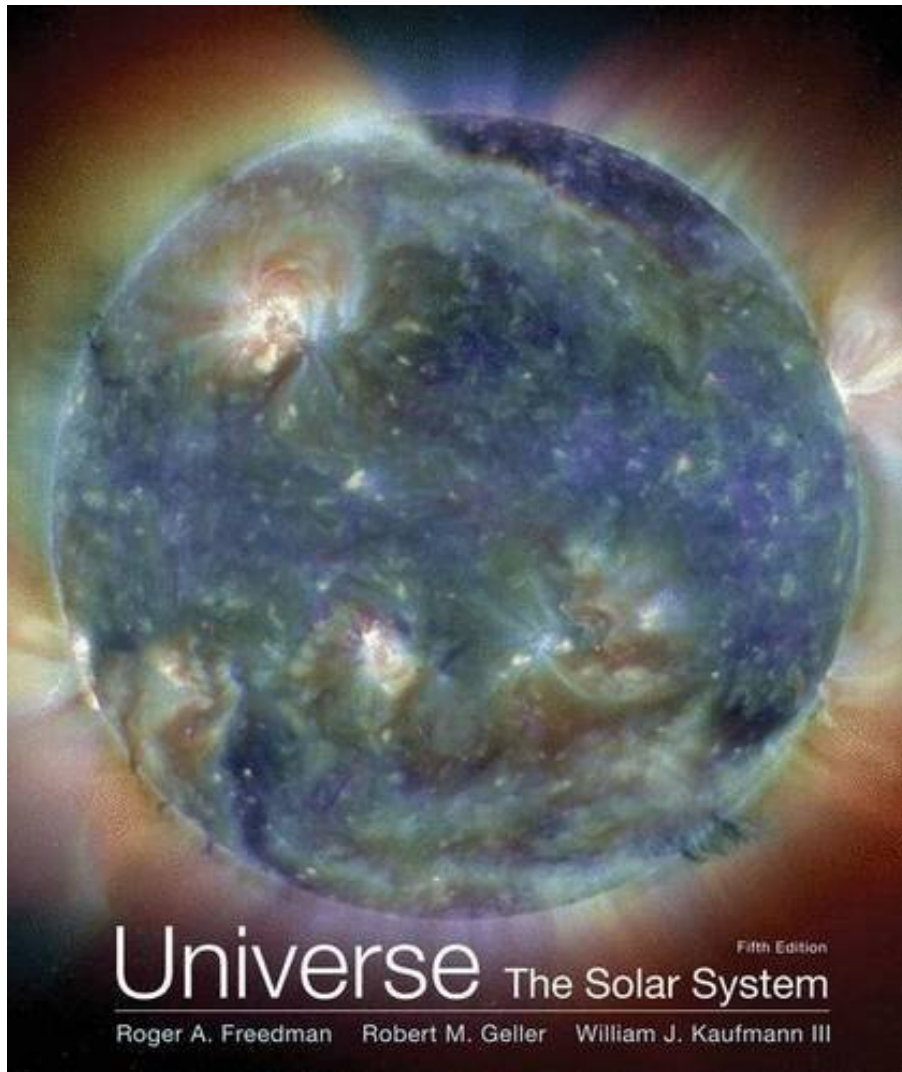


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About the Author

Roger A. Freedman is a Lecturer in Physics at the University of California, Santa Barbara, USA. At UCSB, Dr. Freedman has taught in both the Department of Physics and the College of Creative Studies, a branch of the university intended for highly gifted and motivated undergraduates. He has published research in nuclear physics, elementary particle physics, and laser physics. In recent years, he has helped to develop computer-based tools for learning introductory physics and astronomy and helped pioneer the use of classroom response systems and the "flipped" classroom model at UCSB. He is co-author of three introductory textbooks: University Physics (Pearson), Universe (Freeman), and Investigating Astronomy (Freeman). Robert M. Geller teaches and conducts research in astrophysics at the University of California, Santa Barbara, USA. Using data from the Hubble Space Telescope, he is currently involved in a search for bursts of lights that are predicted to occur when a supermassive black hole consumes a star. Dr. Gellar als has a strong emphasis on education, and he received the Distinguished Teaching Award at UCSB in 2003. William J. Kaufman III (deceased) was the author of the first four editions of Universe. During his career he held positions at the Griffith Observatory in Los Angeles, San Diego State University, UCLA, Caltech, and the University of Illinois, USA. A prolific author, his many books include Black Holes and Warped Spacetime, Relativity and Cosmology, The Cosmic Frontiers of General Relativity, Exploration of the Solar System, Planets and Moons, Stars and Nebulas, Galaxies and Quasars, and Supercomputing and the Transformation of Science. Dr. Kaufmann died in 1994.

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This is an abbreviated volume of Universe, focusing on the Solar System. The various Universe books place the basics of astronomy and the process of science within the grasp of introductory students. The 5th edition has been updated with new material and new discoveries.

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As good as it gets

By Dr. Thomas Carl

I had the fortune, and sometimes misfortune, to read a fair number of textbooks. All of them did promise to teach, though some proved rather very disappointing on closer inspection.

This book on the other hand most certainly holds everything one can expect.

The book is divided into four parts: first, there is a small introduction into the basics of astronomy, followed by a more in depth discussion of the solar system. The third part then covers stars and stellar evolution, while the final part is devoted to galaxies and cosmology.

The math required is minimal (i don't think the average high school graduate should have any problems), and a wealth of pictures and graphs, together with elaborate explanations in the text make sure, that this book will be a pleasure to learn from for the interested college student.

Every chapter (30 in all) ends with a short recapitulation of the most important concepts learned, a good number of review questions (to which the answers are supplied in the back of the book) and suggestions for further reading (books, magazines and weblinks).

The book comes also with a CD, on which there are further review tests to all chapters (of course with answers), as well as additional animations and much more.

As if that were not enough, there is a companion website that offers additional tests and answers plus updated information, since after all, astronomy is progressing swiftly.

All in all, there cannot be much doubt that this is one of the best and most well rounded astronomy textbooks on the market. If you have to learn the basics of astronomy due to a course, or if you simply want to enrich your horizon, this book will make either task both easier and more enjoyable.

...

63 of 64 people found the following review helpful.

Commenting on Lonewolf Astronomer's review

By Roger Freedman

I'm the author of Universe w/ Starry Night Enthusiast CD-ROM, and I thank Lonewolf Astronomer for pointing out Amazon's error in describing the book as a hardcover --- it is in fact a softcover. I've asked Amazon to change their description to reflect this, and they have done so.

Lonewolf Astronomer included a link to Universe: The Solar System w/Starry Night Enthusiast CD-ROM, which is indeed cheaper than Universe. It is also quite a bit shorter, since it omits all of the chapters from Universe which concern stars, galaxies, and cosmology (Chapters 17-27).

Another abbreviated version of the book is Universe: Stars & Galaxies w/Starry Night Enthusiast CD-ROM, which includes all of the chapters from Universe on stars, galaxies, and cosmology but omits Chapters 9-15 on the solar system.

All three versions --- Universe, Universe: The Solar System, and Universe: Stars and Galaxies --- are available with the Starry Night Enthusiast CD-ROM.

Finally, in order to post this response, Amazon forced me to rate my own book. I hope the vast Amazon public will excuse the fact that I gave it five stars.

28 of 28 people found the following review helpful.

excellent, informative, illuminating

By A Customer

This is a premier text for the fields of astronomy and cosmology. Thorough, deep, professional, concise, technically and scientifically accurate, but also, imaginative, filled with the wonder of discovery and

learning. Beginning with the ancient origins of astronomical pursuits, the reader is taken through the unfolding world of space and time. The electromagnetic spectrum, light and optics, telescopes, planet and solar system formations, stars-their nature, galaxies, quasars, black holes, all of these wonders are explored. Do yourself a flavor-get it!

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