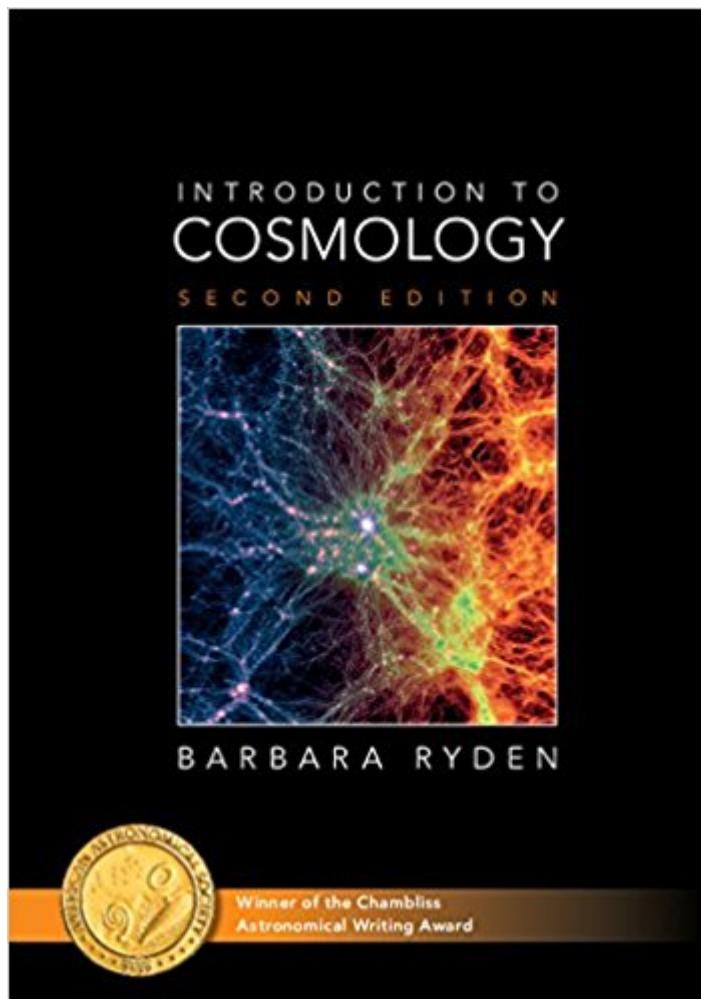


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Introduction To Cosmology



Synopsis

This second edition of Introduction to Cosmology is an exciting update of an award-winning textbook. It is aimed primarily at advanced undergraduate students in physics and astronomy, but is also useful as a supplementary text at higher levels. It explains modern cosmological concepts, such as dark energy, in the context of the Big Bang theory. Its clear, lucid writing style, with a wealth of useful everyday analogies, makes it exceptionally engaging. Emphasis is placed on the links between theoretical concepts of cosmology and the observable properties of the universe, building deeper physical insights in the reader. The second edition includes recent observational results, fuller descriptions of special and general relativity, expanded discussions of dark energy, and a new chapter on baryonic matter that makes up stars and galaxies. It is an ideal textbook for the era of precision cosmology in the accelerating universe.

Book Information

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Customer Reviews

Good book on introductory Cosmology. The book explains ideas pretty well, but there were a few ideas that were explained better elsewhere. If you use this book, I recommend also watching

Leonard Susskind's lectures at Stanford on Youtube to get a better grasp of the material; the videos align well with the chapters in the book.

Ryden is an engaging writer and I found her explanations illuminating. This book was my first introduction to cosmology as a college junior and I really enjoyed it. The picture of cosmology that she presents is well organized and you'll feel like you see how the pieces fit together by the end.

Great read, I highly recommend this for the novice who is interested in cosmology and willing to put in a modicum of effort.

Easy and logical read.

A 'straight to the point' introduction to Cosmology. Writing is excellent.

I am not a cosmologist, rather I am reading this book for information and enjoyment. This book has been favorably reviewed by experts and this suffices for me to be sure the material is first class.

I am a cosmo curious professional. I have read many works from Brian Green, Stephen Hawking, Neil DeGrasse Tyson, Carlo Rovelli, Feynman, and the like. I have enjoyed them. This book is not for those without a much more advanced understanding of mathematics than me. Rather than explaining concepts, it provides formulas. It is probably a very good book for those with the math skills to grasp the concepts. For me, more words, fewer formulae . . .

Decent introductory cosmology text. Suitable problems, addresses all the main themes. More general relativity might have been a nice touch, but this was good.

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