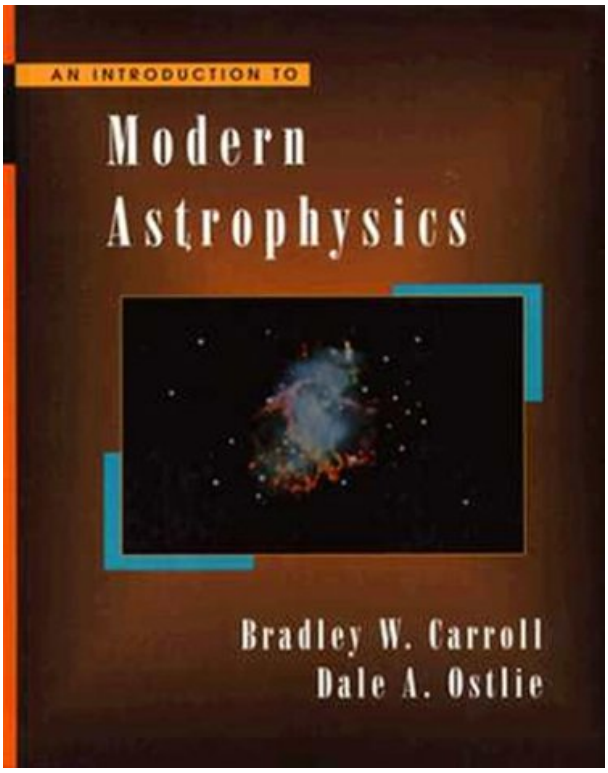
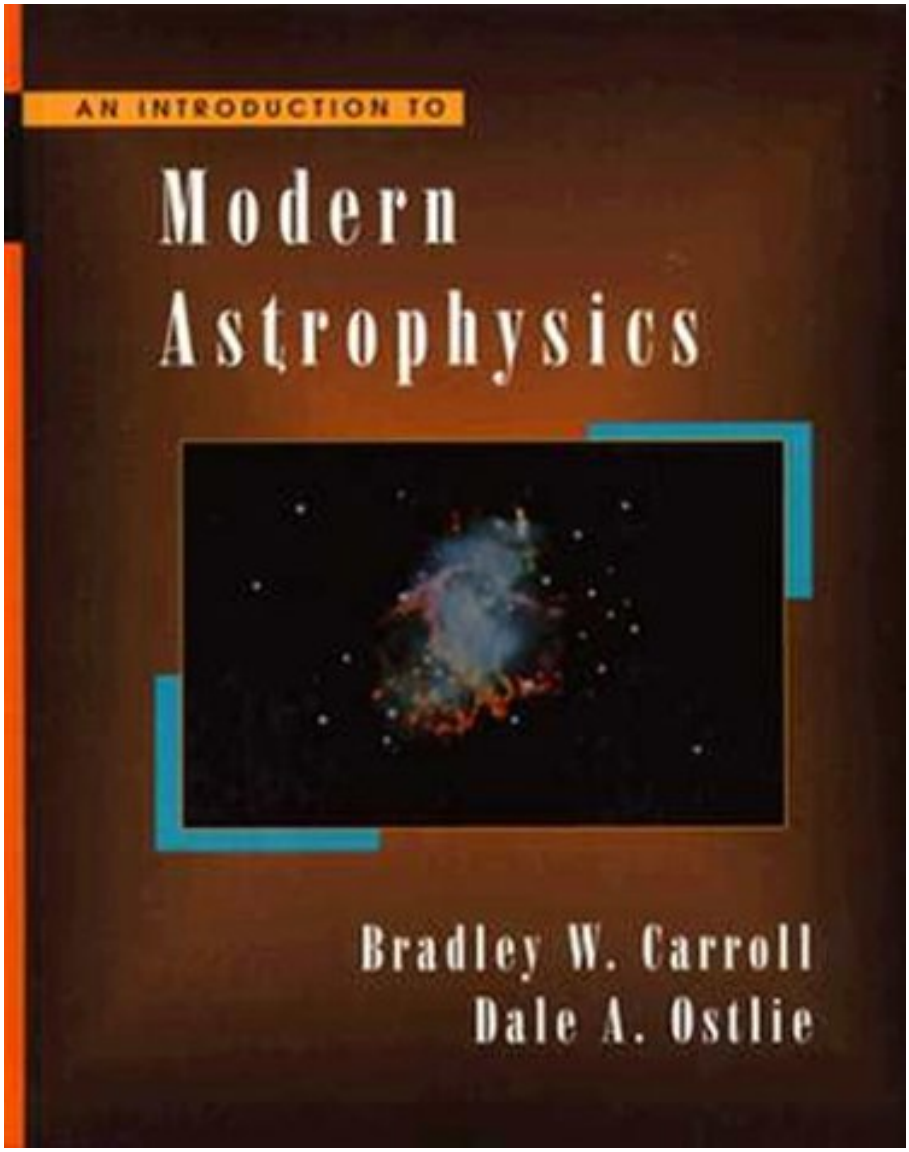
AN INTRODUCTION TO MODERN ASTROPHYSICS BY BRADLEY W. CARROLL, DALE A. OSTLIE





AN INTRODUCTION TO MODERN ASTROPHYSICS BY BRADLEY W. CARROLL, DALE A. OSTLIE PDF

The presented book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie our company offer below is not kind of common book. You understand, checking out currently doesn't mean to take care of the printed book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie in your hand. You can get the soft documents of An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie in your gadget. Well, we suggest that guide that we extend is the soft file of the book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie The content and all things are same. The distinction is only the types of the book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie, whereas, this problem will exactly be profitable.

About the Author

Bradley Carroll received his B.A. in Mathematics and a Secondary Teaching Credential from the University of California, Irvine, his M.S. in Physics from the University of Colorado, Boulder and his Ph.D. Astrophysics from the University of Colorado, Boulder.

Brad's lifelong fascination with astronomy, combined with a happy naivete concerning what lay ahead, led him to graduate school at CU Boulder. His thesis, supervised by Carl Hansen and John Cox, was a study of the effect of rotation on pulsating stars. Brad then headed east to work as a postdoc with Hugh Van Horn at the University of Rochester, where he carried out research on the oscillations of accretion disks and neutron stars. At both CU Boulder and the U of R, he learned the virtues of making simple models of complex astrophysical systems. .

Four years later, as the postdoc came to an end, Brad was lucky to find a teaching position in the Physics Department at Weber State University, and doubly lucky that Dale Ostlie was there. It is rare to find two experts in Stellar pulsation in the same institution and department, especially when their outlooks are congenial. .

Brad truly enjoys teaching which gives him the chance to share the wonders of the physical world with his students. Such a background served him well (especially his naivete about what lay ahead) when he and Dale decided to write An Introduction to Modern Astrophysics. Now that the book and solutions manual, are completed, Brad once again has the time to enjoy traveling, camping, and fishing.

Dale A. Ostlie's long-time interest in astronomy began with his childhood fascination in the space program, including vivid recollections of watching the Apollo missions with his family. His interest in teaching was born from his experiences as a student, being fortunate to have had excellent instructors and mentors in high school, college, and graduate school. During graduate school, Dale had the opportunity to spend a significant period of time working with Dr. Arthur N. Cox and the theoretical astrophysics group at Los Alamos National Laboratory. While at Los Alamos, Dale was introduced to great number of exciting and challenging

problems in astrophysics, which spurred his interest in developing a broad exposure to the discipline.

After completing his graduate thesis on Mira variable stars, and after a two-year teaching position at Bates College in Maine, Dale accepted a teaching position at Weber State University. With WSU nestled up against the Wasatch mountains of Utah, Dale is able to indulge his addictions to skiing, hiking, camping, and mountain biking. One year after Dale arrived at Weber State, Brad Carroll was hired, and their partnership in stellar pulsation studies and text-book writing was born. Sharing many of the same pedagogical views, as well as a dedication to producing the best possible text, Brad and Dale worked for six years to write An Introduction to Modern Stellar Astrophysics and An Introduction to Modern Astrophysics, and another year to produce the Instructor's Solutions Manual. Work related to the texts continues today with the maintenance of a collection of web pages associated with the books, including discussions of new discoveries since the publication of the texts in 1996.

AN INTRODUCTION TO MODERN ASTROPHYSICS BY BRADLEY W. CARROLL, DALE A. OSTLIE PDF

Some individuals may be laughing when looking at you reviewing **An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie** in your downtime. Some might be appreciated of you. And some might really want be like you who have reading pastime. What concerning your own feel? Have you felt right? Reading An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie is a need and also a pastime simultaneously. This problem is the on that particular will certainly make you feel that you have to review. If you recognize are trying to find the book qualified An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie as the selection of reading, you can find here.

This publication *An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie* deals you far better of life that can develop the top quality of the life better. This An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie is what the people currently require. You are below as well as you may be precise and certain to obtain this publication An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie Never doubt to obtain it even this is just a book. You could get this publication An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie as one of your collections. But, not the compilation to display in your shelfs. This is a valuable book to be reading compilation.

How is making certain that this An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie will not displayed in your shelfs? This is a soft data publication An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie, so you could download An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie by buying to get the soft file. It will certainly ease you to review it every single time you require. When you really feel careless to relocate the published book from home to workplace to some location, this soft data will certainly alleviate you not to do that. Due to the fact that you could just conserve the information in your computer hardware and gizmo. So, it allows you review it almost everywhere you have readiness to check out An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie

AN INTRODUCTION TO MODERN ASTROPHYSICS BY BRADLEY W. CARROLL, DALE A. OSTLIE PDF

This exciting text opens the entire field of modern astrophysics to the reader by using only the basic tools of physics. Designed for the junior- level astrophysics course, each topic is approached in the context of the major unresolved questions in astrophysics. The core chapters have been designed for a course in stellar structure and evolution, while the extended chapters provide additional coverage of the solar system, galactic structure, dynamics, evolution, and cosmology.

- Sales Rank: #132993 in Books
- Published on: 1995-12-11
- Original language: English
- Number of items: 1
- Dimensions: 9.22" h x 2.31" w x 7.36" l, .0 pounds
- Binding: Hardcover
- 1326 pages

Features

- Cheapest price because it has some writing on a few pages.

About the Author

Bradley Carroll received his B.A. in Mathematics and a Secondary Teaching Credential from the University of California, Irvine, his M.S. in Physics from the University of Colorado, Boulder and his Ph.D. Astrophysics from the University of Colorado, Boulder.

Brad's lifelong fascination with astronomy, combined with a happy naivete concerning what lay ahead, led him to graduate school at CU Boulder. His thesis, supervised by Carl Hansen and John Cox, was a study of the effect of rotation on pulsating stars. Brad then headed east to work as a postdoc with Hugh Van Horn at the University of Rochester, where he carried out research on the oscillations of accretion disks and neutron stars. At both CU Boulder and the U of R, he learned the virtues of making simple models of complex astrophysical systems. .

Four years later, as the postdoc came to an end, Brad was lucky to find a teaching position in the Physics Department at Weber State University, and doubly lucky that Dale Ostlie was there. It is rare to find two experts in Stellar pulsation in the same institution and department, especially when their outlooks are congenial. .

Brad truly enjoys teaching which gives him the chance to share the wonders of the physical world with his students. Such a background served him well (especially his naivete about what lay ahead) when he and Dale decided to write An Introduction to Modern Astrophysics. Now that the book and solutions manual, are completed, Brad once again has the time to enjoy traveling, camping, and fishing.

Dale A. Ostlie's long-time interest in astronomy began with his childhood fascination in the space program,

including vivid recollections of watching the Apollo missions with his family. His interest in teaching was born from his experiences as a student, being fortunate to have had excellent instructors and mentors in high school, college, and graduate school. During graduate school, Dale had the opportunity to spend a significant period of time working with Dr. Arthur N. Cox and the theoretical astrophysics group at Los Alamos National Laboratory. While at Los Alamos, Dale was introduced to great number of exciting and challenging problems in astrophysics, which spurred his interest in developing a broad exposure to the discipline.

After completing his graduate thesis on Mira variable stars, and after a two-year teaching position at Bates College in Maine, Dale accepted a teaching position at Weber State University. With WSU nestled up against the Wasatch mountains of Utah, Dale is able to indulge his addictions to skiing, hiking, camping, and mountain biking. One year after Dale arrived at Weber State, Brad Carroll was hired, and their partnership in stellar pulsation studies and text-book writing was born. Sharing many of the same pedagogical views, as well as a dedication to producing the best possible text, Brad and Dale worked for six years to write An Introduction to Modern Stellar Astrophysics and An Introduction to Modern Astrophysics, and another year to produce the Instructor's Solutions Manual. Work related to the texts continues today with the maintenance of a collection of web pages associated with the books, including discussions of new discoveries since the publication of the texts in 1996.

Most helpful customer reviews

108 of 109 people found the following review helpful.
Excellent and encyclopedic
By Amazon Customer
There are very few comprehensive astrophysics text books at the junior/senior level. In trying to find a book which surveys most of the field I found only three possibilities. Two were good (Astrophysical Concepts by Harwitt and Astrophysics by Bowers and Deeming) but this one is EXCELLENT. The level of presentation is mathematically accessible to advanced undergrads in physics, math, comp sci, and engineering while the underlying physics is reviewed before it is applied. The exercises are interesting and complete and include several nice computer based problems in each chapter.
For a one semester survey class the size and scope of this book will induce heart attacks in your students but the organization and clear layout of the text allows the instructor to select a set of topics which (a) cover a wide range of astrophysical ideas and (b) don't depend strongly on the omitted material.
Highly recommended.

46 of 46 people found the following review helpful.
The long awaited new edition of BOB (Big Orange Book)
By John Matlock
The number of books suitable for undergraduate courses in Astrophysics is not great. But of them all, this, called BOB (Big Orange Book) is the best.

This new second edition, badly needed since the first edition is now ten years old. In these ten years, there seems to have been just about as much discovered as in the centuries before. To list just a few: extrasolar planets, objects bigger than Pluto but further out (but the book was finished before the IAU decided to downgrade Pluto from being a planet), Spirit and Opportunity have been roving on Mars, discoveries like the universe is not slowing down but, rather, is actually accelerating, Dark energy wasn't even imagined at that time (and isn't easy to imagine now).

The book is aimed at the advanced undergraduate level after the student has had several previous physics

classes and mathematics through differential equasions.

The one problem most often reported about BOB is its size, 1400 pages. This allows for a series of different courses to be taught using the same book by selecting appropriate chapters. Alternatively a full year course can be taught to cover most of the book.

51 of 54 people found the following review helpful.
Slow digestion necessary
By calvinnme
Don't let the huge size fool you - this is indeed more of a textbook than a reference. However, it does require slow digestion of the material. Any instructor thinking they can cover this in one semester is biting off more than his students can chew. What is annoying is the lack of a table of contents. I present that information next.

See all 47 customer reviews...

AN INTRODUCTION TO MODERN ASTROPHYSICS BY BRADLEY W. CARROLL, DALE A. OSTLIE PDF

Well, when else will you find this prospect to obtain this publication **An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie** soft file? This is your great chance to be below and get this terrific publication An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie Never ever leave this book before downloading this soft documents of An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie in web link that we provide. An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie will really make a lot to be your friend in your lonesome. It will certainly be the very best partner to enhance your company and leisure activity.

About the Author

Bradley Carroll received his B.A. in Mathematics and a Secondary Teaching Credential from the University of California, Irvine, his M.S. in Physics from the University of Colorado, Boulder and his Ph.D. Astrophysics from the University of Colorado, Boulder.

Brad's lifelong fascination with astronomy, combined with a happy naivete concerning what lay ahead, led him to graduate school at CU Boulder. His thesis, supervised by Carl Hansen and John Cox, was a study of the effect of rotation on pulsating stars. Brad then headed east to work as a postdoc with Hugh Van Horn at the University of Rochester, where he carried out research on the oscillations of accretion disks and neutron stars. At both CU Boulder and the U of R, he learned the virtues of making simple models of complex astrophysical systems. .

Four years later, as the postdoc came to an end, Brad was lucky to find a teaching position in the Physics Department at Weber State University, and doubly lucky that Dale Ostlie was there. It is rare to find two experts in Stellar pulsation in the same institution and department, especially when their outlooks are congenial. .

Brad truly enjoys teaching which gives him the chance to share the wonders of the physical world with his students. Such a background served him well (especially his naivete about what lay ahead) when he and Dale decided to write An Introduction to Modern Astrophysics. Now that the book and solutions manual, are completed, Brad once again has the time to enjoy traveling, camping, and fishing.

Dale A. Ostlie's long-time interest in astronomy began with his childhood fascination in the space program, including vivid recollections of watching the Apollo missions with his family. His interest in teaching was born from his experiences as a student, being fortunate to have had excellent instructors and mentors in high school, college, and graduate school. During graduate school, Dale had the opportunity to spend a significant period of time working with Dr. Arthur N. Cox and the theoretical astrophysics group at Los Alamos National Laboratory. While at Los Alamos, Dale was introduced to great number of exciting and challenging problems in astrophysics, which spurred his interest in developing a broad exposure to the discipline.

After completing his graduate thesis on Mira variable stars, and after a two-year teaching position at Bates College in Maine, Dale accepted a teaching position at Weber State University. With WSU nestled up against the Wasatch mountains of Utah, Dale is able to indulge his addictions to skiing, hiking, camping, and mountain biking. One year after Dale arrived at Weber State, Brad Carroll was hired, and their partnership in

stellar pulsation studies and text-book writing was born. Sharing many of the same pedagogical views, as well as a dedication to producing the best possible text, Brad and Dale worked for six years to write An Introduction to Modern Stellar Astrophysics and An Introduction to Modern Astrophysics, and another year to produce the Instructor's Solutions Manual. Work related to the texts continues today with the maintenance of a collection of web pages associated with the books, including discussions of new discoveries since the publication of the texts in 1996.

The presented book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie our company offer below is not kind of common book. You understand, checking out currently doesn't mean to take care of the printed book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie in your hand. You can get the soft documents of An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie in your gadget. Well, we suggest that guide that we extend is the soft file of the book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie The content and all things are same. The distinction is only the types of the book An Introduction To Modern Astrophysics By Bradley W. Carroll, Dale A. Ostlie, whereas, this problem will exactly be profitable.