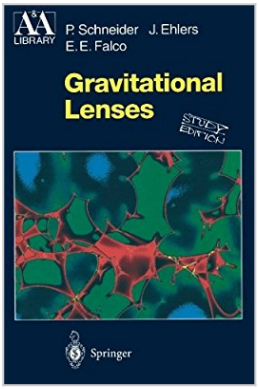

Gravitational Lenses (Astronomy and Astrophysics Library)

By P. Schneider, J. Ehlers, E.E. Falco

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco

Light observed from distant objects is found to be deflected by the gravitational field of massive objects near the line of sight - an effect predicted by Einstein in his first paper setting forth the general theory of relativity, and confirmed by Eddington soon afterwards. If the source of the light is sufficiently distant and bright, and if the intervening object is massive enough and near enough to the line of sight, the gravitational field acts like a lens, focusing the light and producing one or more bright images of the source. This book, by renowned researchers in the field, begins by discussing the basic physics behind gravitational lenses: the optics of curved space-time. It then derives the appropriate equations for predicting the properties of these lenses. In addition, it presents up-to-date observational evidence for gravitational lenses and describes the particular properties of the observed cases. The authors also discuss applications of the results to problems in cosmology.

Gravitational Lenses (Astronomy and Astrophysics Library)

By P. Schneider, J. Ehlers, E.E. Falco

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco

Light observed from distant objects is found to be deflected by the gravitational field of massive objects near the line of sight - an effect predicted by Einstein in his first paper setting forth the general theory of relativity, and confirmed by Eddington soon afterwards. If the source of the light is sufficiently distant and bright, and if the intervening object is massive enough and near enough to the line of sight, the gravitational field acts like a lens, focusing the light and producing one or more bright images of the source. This book, by renowned researchers in the field, begins by discussing the basic physics behind gravitational lenses: the optics of curved space-time. It then derives the appropriate equations for predicting the properties of these lenses. In addition, it presents up-to-date observational evidence for gravitational lenses and describes the particular properties of the observed cases. The authors also discuss applications of the results to problems in cosmology.

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco Bibliography

- Sales Rank: #3863853 in Books
- Published on: 2009-02-22
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.30" w x 6.10" l, 1.81 pounds
- Binding: Paperback
- 560 pages

Editorial Review

From the Back Cover
Light observed from distant objects is found to be deflected by the gravitational field of massive objects near the line of sight - an effect predicted by Einstein in his first paper setting forth the general theory of relativity, and confirmed by Eddington soon afterwards. If the source of the light is sufficiently distant and bright, and if the intervening object is massive enough and near enough to the line of sight, the gravitational field acts like a lens, focusing the light and producing one or more bright images of the source. This book, by renowned researchers in the field, begins by discussing the basic physics behind gravitational lenses: the optics of curved space-time. It then derives the appropriate equations for predicting the properties of these lenses. In addition, it presents up-to-date observational evidence for gravitational lenses and describes the particular properties of the observed cases. The authors also discuss applications of the results to problems in cosmology

Users Review

From reader reviews:

Sharon Hall:

Information is provisions for individuals to get better life, information currently can get by anyone with everywhere. The information can be a understanding or any news even a concern. What people must be consider any time those information which is inside the former life are challenging be find than now could be taking seriously which one is acceptable to believe or which one the particular resource are convinced. If you find the unstable resource then you buy it as your main information we will see huge disadvantage for you. All those possibilities will not happen inside you if you take Gravitational Lenses (Astronomy and Astrophysics Library) as the daily resource information.

Frank Farrow:

Reading can called brain hangout, why? Because when you are reading a book mainly book entitled Gravitational Lenses (Astronomy and Astrophysics Library) your mind will drift away trough every dimension, wandering in each aspect that maybe unidentified for but surely might be your mind friends. Imaging just about every word written in a e-book then become one form conclusion and explanation in which maybe you never get prior to. The Gravitational Lenses (Astronomy and Astrophysics Library) giving you another experience more than blown away your thoughts but also giving you useful data for your better life in this era. So now let us teach you the relaxing pattern is your body and mind will probably be pleased when you are finished reading it, like winning a sport. Do you want to try this extraordinary shelling out spare time activity?

Joel Kiser:

In this period globalization it is important to someone to get information. The information will make a

professional understand the condition of the world. The healthiness of the world makes the information better to share. You can find a lot of recommendations to get information example: internet, classifieds, book, and soon. You can observe that now, a lot of publisher which print many kinds of book. Often the book that recommended for you is Gravitational Lenses (Astronomy and Astrophysics Library) this book consist a lot of the information on the condition of this world now. This particular book was represented how does the world has grown up. The terminology styles that writer use to explain it is easy to understand. Often the writer made some study when he makes this book. This is why this book ideal all of you.

Sandra Bland:

What is your hobby? Have you heard that question when you got pupils? We believe that that query was given by teacher for their students. Many kinds of hobby, Everybody has different hobby. And also you know that little person similar to reading or as reading become their hobby. You need to know that reading is very important as well as book as to be the matter. Book is important thing to add you knowledge, except your personal teacher or lecturer. You discover good news or update with regards to something by book. Many kinds of books that can you choose to adopt be your object. One of them is niagra Gravitational Lenses (Astronomy and Astrophysics Library).

Read Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco for online ebook

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco books to read online.

Online Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco ebook PDF download

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco Doc

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco Mobipocket

Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco EPub

TDY2M37UFOE: Gravitational Lenses (Astronomy and Astrophysics Library) By P. Schneider, J. Ehlers, E.E. Falco