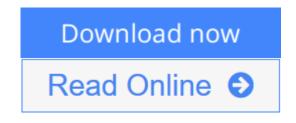
Black Holes: The Membrane Paradigm



From Yale University Press



Black Holes: The Membrane Paradigm From Yale University Press

This pedagogical introduction to the physics of black holes emphasizes the "membrane paradigm", which translates the mathematics and physics of black holes into a form accessible to readers with little knowledge of general relativity but a solid grounding in nonrelativistic physics. This is accomplished without resort to approximations or loss of content.

Instead of treating a black hole's "event horizon" as a globally defined null surface in four-dimensional space time, the paradigm views it as a twodimensional membrane in three-dimensional space. Made of viscous fluid, electrically charged and conducting, with finite entropy and temperature but no power to conduct heat, this membrane is seen as having familiar properties that enable the reader to understand intuitively and compute quantitatively the behavior of black holes in complex astrophysical environments.

<u>Download Black Holes: The Membrane Paradigm ...pdf</u>

<u>Read Online Black Holes: The Membrane Paradigm ...pdf</u>

Black Holes: The Membrane Paradigm

From Yale University Press

Black Holes: The Membrane Paradigm From Yale University Press

This pedagogical introduction to the physics of black holes emphasizes the "membrane paradigm", which translates the mathematics and physics of black holes into a form accessible to readers with little knowledge of general relativity but a solid grounding in nonrelativistic physics. This is accomplished without resort to approximations or loss of content.

Instead of treating a black hole's "event horizon" as a globally defined null surface in four-dimensional space time, the paradigm views it as a two-dimensional membrane in three-dimensional space. Made of viscous fluid, electrically charged and conducting, with finite entropy and temperature but no power to conduct heat, this membrane is seen as having familiar properties that enable the reader to understand intuitively and compute quantitatively the behavior of black holes in complex astrophysical environments.

Black Holes: The Membrane Paradigm From Yale University Press Bibliography

- Sales Rank: #2345321 in Books
- Published on: 1986-09-10
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 6.50" w x 1.25" l,
- Binding: Hardcover
- 416 pages

<u>Download Black Holes: The Membrane Paradigm ...pdf</u>

<u>Read Online Black Holes: The Membrane Paradigm ...pdf</u>

Editorial Review

Users Review

From reader reviews:

Roy Myers:

The book Black Holes: The Membrane Paradigm can give more knowledge and information about everything you want. So why must we leave a very important thing like a book Black Holes: The Membrane Paradigm? A few of you have a different opinion about reserve. But one aim in which book can give many information for us. It is absolutely suitable. Right now, try to closer together with your book. Knowledge or details that you take for that, it is possible to give for each other; you can share all of these. Book Black Holes: The Membrane Paradigm has simple shape nevertheless, you know: it has great and big function for you. You can appearance the enormous world by open and read a e-book. So it is very wonderful.

Christopher Ray:

As people who live in the modest era should be update about what going on or information even knowledge to make these keep up with the era and that is always change and progress. Some of you maybe will certainly update themselves by looking at books. It is a good choice for yourself but the problems coming to a person is you don't know what kind you should start with. This Black Holes: The Membrane Paradigm is our recommendation to make you keep up with the world. Why, as this book serves what you want and wish in this era.

Dianna Chrisman:

The publication with title Black Holes: The Membrane Paradigm includes a lot of information that you can learn it. You can get a lot of gain after read this book. This specific book exist new know-how the information that exist in this e-book represented the condition of the world currently. That is important to yo7u to know how the improvement of the world. This particular book will bring you inside new era of the syndication. You can read the e-book on the smart phone, so you can read it anywhere you want.

Jimmy Dolce:

Don't be worry for anyone who is afraid that this book may filled the space in your house, you can have it in e-book approach, more simple and reachable. This particular Black Holes: The Membrane Paradigm can give you a lot of buddies because by you considering this one book you have matter that they don't and make you more like an interesting person. This kind of book can be one of a step for you to get success. This ebook offer you information that maybe your friend doesn't understand, by knowing more than different make you to be great persons. So , why hesitate? We need to have Black Holes: The Membrane Paradigm. Download and Read Online Black Holes: The Membrane Paradigm From Yale University Press #MLS9QXJGNIZ

Read Black Holes: The Membrane Paradigm From Yale University Press for online ebook

Black Holes: The Membrane Paradigm From Yale University Press 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 Black Holes: The Membrane Paradigm From Yale University Press books to read online.

Online Black Holes: The Membrane Paradigm From Yale University Press ebook PDF download

Black Holes: The Membrane Paradigm From Yale University Press Doc

Black Holes: The Membrane Paradigm From Yale University Press Mobipocket

Black Holes: The Membrane Paradigm From Yale University Press EPub