



## The Geometry of Kerr Black Holes (Dover Books on Physics)

*Barrett O'Neill*

Download now

[Click here](#) if your download doesn't start automatically

# The Geometry of Kerr Black Holes (Dover Books on Physics)

Barrett O'Neill

## The Geometry of Kerr Black Holes (Dover Books on Physics) Barrett O'Neill

This unique monograph by a noted UCLA professor examines in detail the mathematics of Kerr black holes, which possess the properties of mass and angular momentum but carry no electrical charge. Suitable for advanced undergraduates and graduate students of mathematics, physics, and astronomy as well as professional physicists, the self-contained treatment constitutes an introduction to modern techniques in differential geometry.

The text begins with a substantial chapter offering background on the mathematics needed for the rest of the book. Subsequent chapters emphasize physical interpretations of geometric properties such as curvature, geodesics, isometries, totally geodesic submanifolds, and topological structure. Further investigations cover relativistic concepts such as causality, Petrov types, optical scalars, and the Goldberg-Sachs theorem. Four helpful appendixes supplement the text.



[Download The Geometry of Kerr Black Holes \(Dover Books on P ...pdf](#)



[Read Online The Geometry of Kerr Black Holes \(Dover Books on ...pdf](#)

## **Download and Read Free Online The Geometry of Kerr Black Holes (Dover Books on Physics) Barrett O'Neill**

---

### **From reader reviews:**

#### **James Flynn:**

The book The Geometry of Kerr Black Holes (Dover Books on Physics) can give more knowledge and also the precise product information about everything you want. Why must we leave a good thing like a book The Geometry of Kerr Black Holes (Dover Books on Physics)? Several of you have a different opinion about e-book. But one aim in which book can give many data for us. It is absolutely appropriate. Right now, try to closer with your book. Knowledge or data that you take for that, you may give for each other; you may share all of these. Book The Geometry of Kerr Black Holes (Dover Books on Physics) has simple shape but you know: it has great and large function for you. You can appearance the enormous world by available and read a e-book. So it is very wonderful.

#### **Ryan Daggett:**

The book The Geometry of Kerr Black Holes (Dover Books on Physics) has a lot details on it. So when you check out this book you can get a lot of advantage. The book was published by the very famous author. This articles author makes some research ahead of write this book. This kind of book very easy to read you can find the point easily after looking over this book.

#### **Patricia Glover:**

Reading can called thoughts hangout, why? Because if you find yourself reading a book especially book entitled The Geometry of Kerr Black Holes (Dover Books on Physics) the mind will drift away trough every dimension, wandering in most aspect that maybe mysterious for but surely will become your mind friends. Imaging every word written in a guide then become one form conclusion and explanation in which maybe you never get before. The The Geometry of Kerr Black Holes (Dover Books on Physics) giving you one more experience more than blown away your mind but also giving you useful info for your better life in this particular era. So now let us demonstrate the relaxing pattern here is your body and mind will be pleased when you are finished examining it, like winning a casino game. Do you want to try this extraordinary investing spare time activity?

#### **Tara Huber:**

What is your hobby? Have you heard this question when you got students? We believe that that concern was given by teacher with their students. Many kinds of hobby, Everyone has different hobby. Therefore you know that little person including reading or as studying become their hobby. You have to know that reading is very important along with book as to be the issue. Book is important thing to include you knowledge, except your current teacher or lecturer. You see good news or update in relation to something by book. A substantial number of sorts of books that can you decide to try be your object. One of them is The Geometry of Kerr Black Holes (Dover Books on Physics).

**Download and Read Online The Geometry of Kerr Black Holes  
(Dover Books on Physics) Barrett O'Neill #QXJT2S1KZ4B**

## **Read The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill for online ebook**

The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill 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 The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill books to read online.

### **Online The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill ebook PDF download**

**The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill Doc**

**The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill MobiPocket**

**The Geometry of Kerr Black Holes (Dover Books on Physics) by Barrett O'Neill EPub**