



Black Holes: A Student Text (3rd Revised edition)

By Derek Raine, Edwin Thomas

Imperial College Press. Paperback. Book Condition: new. BRAND NEW, Black Holes: A Student Text (3rd Revised edition), Derek Raine, Edwin Thomas, This book provides an accessible introduction to the fascinating and topical subject of black holes. It bridges the gap between popular non-mathematical expositions and advanced research texts, using simple undergraduate level calculations and the most basic knowledge of relativity to explain current research. This means the theory can be understood by a wide audience of physicists, including those who are not necessarily interested in learning higher-level mathematical techniques. The third edition links more of the current research trends to fundamental aspects of the physics of black holes. Additionally: It provides an accessible introduction to the two most useful exact solutions of Einstein's vacuum field equations describing black holes, using only basic tensor calculus. Explores the geometry and physical properties of these spacetimes through the motion of particles and light. Explains the use of different coordinate systems, maximal extensions and Penrose diagrams. Discusses the association of the surface area of a black hole with its entropy and shows that, with the introduction of quantum mechanics, black holes cease to be black and can radiate. This allows black holes to satisfy the...



READ ONLINE
[2.41 MB]

Reviews

This is the best pdf i have got go through until now. It is loaded with wisdom and knowledge I discovered this publication from my i and dad encouraged this book to find out.

-- **Aryanna Sauer**

The publication is great and fantastic. I am quite late in start reading this one, but better then never. I discovered this pdf from my dad and i suggested this ebook to discover.

-- **Linnie Kling**