<<霍金与大爆炸理论及黑洞HAWKING>>

图书基本信息

书名：<<霍金与大爆炸理论及黑洞HAWKING ON THE BIG BANG AND BLACK HOLES>>

13位ISBN编号：9789810210786

10位ISBN编号：9810210787

出版时间：1993-1

出版时间：World Scientific Publishing Co Pte Ltd

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页数：312

内容概要

作者简介：Stephen Hawking, the Lucasian Professor of Mathematics at Cambridge University, is widely regarded as one of the most brilliant theoretical physicists of our time. This book contains a personal selection of his most significant papers on gravitational theory applied to cosmology and black holes. His early work, partly in collaboration with Roger Penrose, showed that spacetime must come to an end at singularities that will occur both in the Big Bang and in black holes. This means that time will have a beginning and an end. Hawking's later work has been concerned with understanding these two situations. This requires a combination of the two great theories of the first half of the twentieth century: general relativity and quantum mechanics. Although a completely unified theory remains elusive, Hawking has been able to make considerable progress both with black hole radiation and with the no-boundary proposal for the origin of the universe. This compilation of Stephen Hawking's most important works, complete with an introduction by him, is an essential collector's item and an important source of reference for theoreticalphysicists. It bears testimony to the courage of aI man who has overcome severe physical disability to push the frontiers of science to new heiqhts.

书籍目录

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