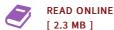




The Nature of Space and Time (Princeton Science Library)

By Stephen Hawking

Princeton University Press. Paperback. Condition: New. 144 pages. Einstein said that the most incomprehensible thing about the universe is that it is comprehensible. But was he right Can the quantum theory of fields and Einsteins general theory of relativity, the two most accurate and successful theories in all of physics, be united in a single quantum theory of gravity Can quantum and cosmos ever be combined On this issue, two of the worlds most famous physicists--Stephen Hawking (A Brief History of Time) and Roger Penrose (The Emperors New Mind and Shadows of the Mind)--disagree. Here they explain their positions in a work based on six lectures with a final debate, all originally presented at the Isaac Newton Institute for Mathematical Sciences at the University of Cambridge. How could quantum gravity, a theory that could explain the earlier moments of the big bang and the physics of the enigmatic objects known as black holes, be constructed Why does our patch of the universe look just as Einstein predicted, with no hint of quantum effects in sight What strange quantum processes can cause black holes to evaporate, and what happens to all the information that they swallow Why does time go forward,...



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