

### **theory of black hole pdf**

A black hole is a region of spacetime exhibiting such strong gravitational effects that nothingâ€”not even particles and electromagnetic radiation such as lightâ€”can escape from inside it. The theory of general relativity predicts that a sufficiently compact mass can deform spacetime to form a black hole. The boundary of the region from which no escape is possible is called the event horizon.

### **Black hole - Wikipedia**

Artistâ€™s conception of the event horizon of a black hole. Credit: Victor de Schwanberg/Science Photo Library Could the famed "Big Bang" theory need a revision?

### **Goodbye Big Bang, hello black hole? A new theory of the**

The black hole information paradox is a puzzle resulting from the combination of quantum mechanics and general relativity. Calculations suggest that physical information could permanently disappear in a black hole, allowing many physical states to devolve into the same state. This is controversial because it violates a core precept of modern physicsâ€”that in principle the value of a wave ...

### **Black hole information paradox - Wikipedia**

I like this line of thinking. As mater and space gets closer to a black hole in our universe the time slow to an infinitely slow speed (... a virtually a time stop to us at the event horizon).

### **Theorists apply loop quantum gravity theory to black hole**

Recommended Books and Resources â€” J. Polchinski, String Theory This two volume work is the standard introduction to the subject. Our lectures will

### **StringTheory - arXiv**

Whether or not the mass of the anti deSitter space is above the Hawking-Page mass the space will occasionally change to the other con guration, that is the black hole above

### **S. W. Hawking - arXiv**

An intermediate-mass black hole might be lurking within a dense stellar cluster â€” a discovery that could point toward how these oddities form.

