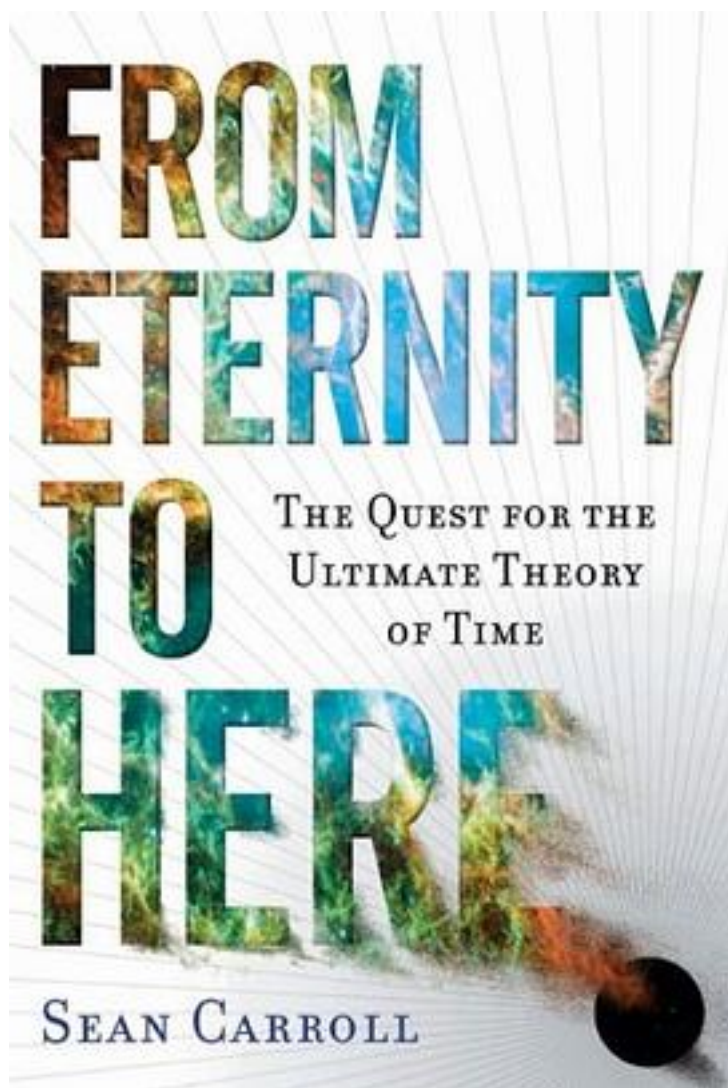


From Eternity to Here



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著者:Sean Carroll

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A rising star in theoretical physics offers his awesome vision of our universe and beyond, all beginning with a simple question: Why does time move forward?

Time moves forward, not backward. Everyone knows you can't unscramble an egg. In the hands of one of today's hottest young physicists, that simple fact of breakfast becomes a doorway to understanding the Big Bang, the universe, and other universes, too. In *From Eternity to Here*, Sean Carroll argues that the arrow of time, pointing resolutely from the past to the future, owes its existence to conditions before the Big Bang itself, a period modern cosmology of which Einstein never dreamed. Increasingly, though, physicists are going out into realms that make the theory of relativity seem like child's play. Carroll's scenario is not only elegant, it's laid out in the same easy-to-understand language that has made his group blog, *Cosmic Variance*, the most popular physics blog on the Net.

From Eternity to Here uses ideas at the cutting edge of theoretical physics to explore how properties of spacetime before the Big Bang can explain the flow of time we experience in our everyday lives. Carroll suggests that we live in a baby universe, part of a large family of universes in which many of our siblings experience an arrow of time running in the opposite direction. It's an ambitious, fascinating picture of the universe on an ultra-large scale, one that will captivate fans of popular physics blockbusters like *Elegant Universe* and *A Brief History of Time*.

作者介绍:

Sean Carroll, Ph.D., is a theoretical physicist at the California Institute of Technology. After receiving his doctorate from Harvard University, he pursued his research at the Massachusetts Institute of Technology, the Institute for Theoretical Physics in Santa Barbara, and the University of Chicago. He has published papers on dark matter and dark energy, the physics of extra dimensions, and alternative theories of gravity as well as the graduate-level textbook *Spacetime and Geometry*. Sean Carroll is one of the founders of the group blog cosmicvariance.com, named one of the five top science blogs by Nature.

目录:

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标签

物理

科普

宇宙学

时间

物理闲书

物理学

熵

相对论

评论

A standard popular science book about relativity and cosmology. Didn't finish it as I've read loads of books on the same subject and found nothing new in the earlier part of the book. I love Sean Carroll's lectures but his writing isn't as good.

:无

一本挺不错的以熵和时间箭头为主题的宇宙学科普书。。。。。

特别喜欢书名——“From Eternity to Here”

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书评

作为前沿的理论物理学家, Sean Carroll总是能找到正确的途径与优雅的表达,

将物理学家所思考的最深层的问题交于公众共享.

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