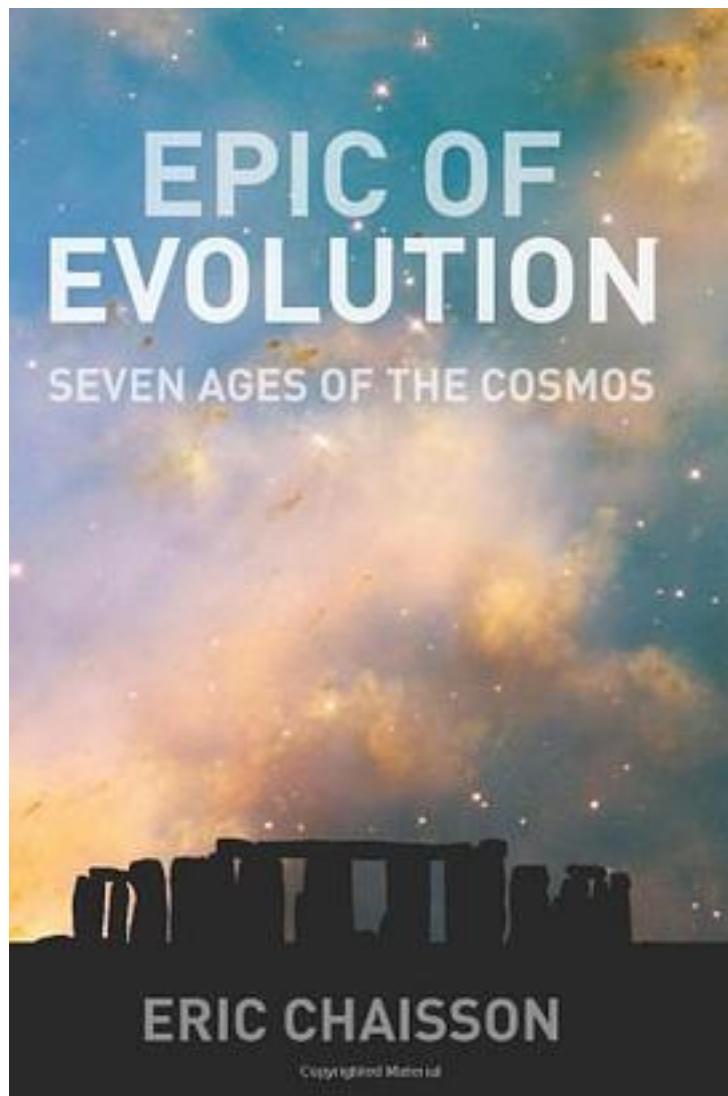


Epic of Evolution



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著者:Chaisson, Eric/ Chaisson, Lola Judith (ILT)

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How did everything around us—the air, the land, the sea, and the stars—originate? What is the source of order, form, and structure characterizing all material things? These are just some of the grand scientific questions Eric J. Chaisson, author of the classic work *Cosmic Dawn*, explores in his enthralling and illuminating history of the universe. Explaining new discoveries and a range of cutting-edge ideas and theories, Chaisson provides a creative and coherent synthesis of current scientific thinking on the universe's beginnings. He takes us on a tour of the seven ages of the cosmos, from the formless era of radiation through the origins of human culture. Along the way he examines the development of the most microscopic and the most immense aspects of our universe and the complex ways in which they interact. Drawing on recent breakthroughs in astrophysics and biochemistry, Chaisson discusses the contemporary scientific view that all objects—from quarks and quasars to microbes and the human mind—are interrelated. Researchers in all the natural sciences are beginning to identify an underlying pattern penetrating the fabric of existence—a sweepingly encompassing view of the formation, structure, and function of all objects in our multitudinous universe. Moreover, as Chaisson demonstrates, by deciphering the scenario of cosmic evolution, scientists can also determine how living organisms managed to inhabit the land, generate language, and create culture. *Epic of Evolution* offers a stunning view of how various changes, operating across almost incomprehensible domains of space and nearly inconceivable stretches of time and through the evolutionary combination of necessity and chance, have given rise to our galaxy, our star, our planet, and ourselves.

作者介绍:

埃里克·简森：塔夫斯大学物理学、天文学和教育学教授，领导怀特中心从事科学教育工作。他也是《宇宙的黎明》《物质和生命的起源》《宇宙进化》《自然界复杂性的增加》等一系列著作的作者。

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书评

该书把宇宙140亿年的历史，划分为射线时代（粒子时代）、星系时代、恒星时代、行星时代、化学时代、生物学时代和文化时代七个部分，其复杂性不断增加，共同特点是都需要能量，而且需要的能量越来越多。

生物学时代以前是物理规律在起作用，生物学时代是达尔文进化规律（自然选...

让我长了不少的天文识知，不过有太多的专有名词，看起来还是很累的，看得我云里雾里的，里面也讲述了不少不解之谜。总的来说他基本告诉我地球还算安全。以前总有点担心，我会目睹地球会被流星撞个撕巴烂的壮观的场面。

本书的作者是一个典型的现代科学识知分子，只相信...

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