



# Zero: The Biography of a Dangerous Idea

*Charles Seife*

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# Zero: The Biography of a Dangerous Idea

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## **Zero: The Biography of a Dangerous Idea** Charles Seife

A concise and appealing look at the strangest number in the universe and its continuing role as one of the great paradoxes of human thought

The Babylonians invented it, the Greeks banned it, the Hindus worshiped it, and the Church used it to fend off heretics. Now, as Y2K fever rages, it threatens a technological apocalypse. For centuries the power of zero savored of the demonic; once harnessed, it became the most important tool in mathematics. For zero, infinity's twin, is not like other numbers. It is both nothing and everything.

In *Zero* science journalist Charles Seife follows this innocent-looking number from its birth as an Eastern philosophical concept to its struggle for acceptance in Europe, its rise and transcendence in the West, and its ever-present threat to modern physics. Here are the legendary thinkers--from Pythagoras to Newton to Heisenberg, from the Kabalists to today's astrophysicists--who have tried to understand it and whose clashes shook the foundations of philosophy, science, mathematics, and religion. Zero has pitted East against West and faith against reason, and its intransigence persists in the dark core of a black hole and the brilliant flash of the Big Bang. Today, zero lies at the heart of one of the biggest scientific controversies of all time, the quest for a theory of everything.

Readers of *Fermat's Enigma*, *The Man Who Loved Only Numbers*, *Seeing and Believing*, and *Longitude* will find the revealingly illustrated *Zero* freshly informative, easy to understand, and--infinitely--fascinating.

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