

THE CONSTANTS

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2931095968237282906281954723
9102596872820638152472910592
6872822306815472910929268728
2306812547293109596823728290
6281954723910259687282063815
2472910592687282230681547291
0929268728230681254729310959
6823728290628195478206381524
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FROM ALPHA TO OMEGA—THE NUMBERS THAT
ENCODE THE DEEPEST SECRETS OF THE UNIVERSE

JOHN D. BARROW

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OF NATURE

Resumo de The Constants of Nature: From Alpha to Omega--The Numbers That Encode the Deepest Secrets of the Universe

A major contribution to our understanding of the basic laws of the universe -- from the author of *The Book of Nothing*. The constants of nature are the fundamental laws of physics that apply throughout the universe: gravity, velocity of light, electromagnetism and quantum mechanics.

They encode the deepest secrets of the universe, and express at once our greatest knowledge and our greatest ignorance about the cosmos. Their existence has taught us the profound truth that nature abounds with unseen regularities.

Yet while we have become skilled at measuring the values of these constants, our frustrating inability to explain or predict their values shows how much we have still to learn about inner workings of the universe. What is the ultimate status of these constants of nature?

Are they truly constant? And are there other universes where they are different? John D. Barrow, one of our foremost mathematicians and cosmologists, discusses the latest thinking about these and many more dramatic issues in this accessible and thought-provoking book.

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