



# Superstrings and Other Things: A Guide to Physics, Second Edition

*Carlos I. Calle*

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A research scientist at NASA working on planetary exploration, Carlos Calle has the opportunity to ponder what seems imponderable, but while that might make Dr. Calle unusual, what makes him truly special is his ability to translate the algebraic formulas and calculus-based logic into concepts that can be appreciated and held in awe by those in possession of tools no more sophisticated than curiosity and imagination.

**Superstrings and Other Things: A Guide to Physics, Second Edition** continues to take the interested on a uniquely accessible journey through physics. This guide explains the basic concepts of motion, energy, and gravity, right up through the latest theories about the structure of matter, the origin of the universe, and the beginning of time. Fully illustrated throughout, the book explores major discoveries and the scientists behind them, from Galileo, Newton, and Einstein, to Feynman and Hawking. Numerous examples of physics in everyday situations are provided and made tangible.

When Dr. Calle wrote the first edition of this bestseller, even he would have been surprised by the newest development in String Theory, the far reaching M-Theory. In addition to details about M-Theory, he adds a number of other surprises and updated material for this edition. Not only will you be rewarded with a basic understanding of the fundamental concepts of physics, but you will also come to have the chance to stand on the very edge of the breathtaking frontiers of physics today.

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- Supports a truly conceptual approach to teaching physics without advanced math
- Emphasizes concepts and ideas rather than equations
- Provides up-to-date coverage of modern physics

- Showcases modern applications of physics in our everyday world
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**Carlos I. Calle** is a senior research physicist at NASA Kennedy Space Center and the founder and director of NASA's Electrostatics and Surface Physics Laboratory. He is the recipient of numerous NASA awards for exceptional contributions to the space program and outstanding support of the Space Shuttle Program. With his laboratory staff, he has developed technologies for NASA's lunar and Martian exploration programs and has also developed new testing techniques for several Space Shuttle systems. As a professor of physics during the early part of his career, he taught the whole range of college physics courses. He has published over 150 scientific papers and other popular books on physics.

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