



A First Course in String Theory, 2nd Edition

By Barton Zwiebach

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Barton Zwiebach is once again faithful to his goal of making string theory accessible to undergraduates. Complete and thorough in its coverage, the author presents the main concepts of string theory in a concrete and physical way in order to develop intuition before formalism, often through simplified and illustrative examples. This new edition now includes AdS/CFT correspondence, which is the hottest area of string theory right now as well as introducing superstrings. The text is perfectly suited to introductory courses in string theory for students with a background in mathematics and physics. New sections cover strings on orbifolds, cosmic strings, moduli stabilization, and the string theory landscape.

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A First Course in String Theory, 2nd Edition By Barton Zwiebach Bibliography

- Sales Rank: #524160 in Books
- Brand: Brand: Cambridge University Press
- Published on: 2009-01-26
- Original language: English
- Number of items: 1
- Dimensions: 9.69" h x 1.26" w x 7.44" l, 3.55 pounds
- Binding: Hardcover
- 694 pages

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Editorial Review

Review

"When it first appeared, Zwiebach's A First Course in String Theory provided a great launching point for those who wanted to learn about the field of string theory... The second edition is filled with many updates, including the connection to particle physics emphasizing the strong interactions, and provides an even better starting point for beginning physicists interested in learning about this exciting field."

- Professor Per Berglund, University of New Hampshire

About the Author

Barton Zwiebach is Professor of Physics at the Massachusetts Institute of Technology. His central contributions have been in the area of string field theory, where he did the early work on the construction of the field theory of open strings and then developed the field theory of closed strings. He has also made important contributions to the subjects of D-branes with exceptional symmetry and tachyon condensation.

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