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"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."

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Answers to the Problems in 'A First Course in String Theory'

Using the expansion for  $e^{-t}$ , the first term in (1) can be written as  $1 - t + \frac{1}{2} t^2 - \frac{1}{6} t^3 + \dots$ . Note that in the sum the  $n$ th term converges for  $|z| > -n$ . If we remove the first  $N$  terms, the remaining sum from  $N + 1$  to  $\infty$  will converge for  $|z| > -(N + 1)$ . We thus rewrite (2) as  $1 - t + \frac{1}{2} t^2 - \frac{1}{6} t^3 + \dots + (-t)^N + \frac{(-t)^{N+1}}{N+1} + \dots$

Zwiebach, A First Course in String Theory, Solutions for ...

Course Home Syllabus Readings Lecture Notes Assignments ... A First Course in String Theory. New York, NY: Cambridge University Press, 2004. ISBN: 9780521831437. Additional Reference.

Syllabus | String Theory for Undergraduates | Physics ...

Alternative Title: string course. Stringcourse, in architecture, decorative horizontal band on the exterior wall of a building. Such a band, either plain or molded, is usually formed of brick or stone. The stringcourse occurs in virtually every style of Western architecture, from Classical Roman through Anglo-Saxon and Renaissance to modern.

Stringcourse | architecture | Britannica

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A First Course in String Theory 2, Zwiebach, Barton ...

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A First Course in String Theory by Barton Zwiebach

Based on the lectures from this course, Zwiebach wrote an undergraduate textbook, A First Course in String Theory, published by Cambridge University Press. Professor Zwiebach was awarded the MIT School of Science 2003 Teaching Prize for Excellence in Undergraduate Education.

MIT Department of Physics

Of course you will not learn to do computations in string theory by reading this book but you will get familiar with the words and concepts really quickly. The first part covers classical strings and lightcone quantization of strings (only with Nambu-Gotto action) while introducing the ideas of QFT.

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Course Description. This course introduces string theory to undergraduate and is based upon Prof. Zwiebach's textbook entitled A First Course in String Theory. Since string theory is quantum mechanics of a relativistic string, the foundations of the subject can be explained to students exposed to both special relativity and basic quantum mechanics.

String Theory for Undergraduates | Physics | MIT ...

A First Course in String Theoryshould be accessible to anyone who has been exposed to special relativity, basic quantum mechanics, electromagnetism, and introductory statistical physics. Some familiarity with Lagrangian mechanics is useful but not indispensable. Except for the introduction, all chapters contain exercises and problems.

A First Course in String Theory Second Edition

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