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September, 01 2024

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bosonic string theory [1] has used cubic open string eld theory [2] (OSFT). Although the results are very impressive, they ultimately rely on numerical study of the solutions of the equations of motion using the level so we have e2.  $\sim c =$ 

truncation scheme [3, 4].1 In a series of papers [12, 13,

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 $(1.602 \times 10 - 19 \times 3 \times 109)2 \times 10 - 9.$ 1.054 × 10 - 34 × 3 × 108.

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A First Course in String Theory. Solutions for

problems in Part I. The following pages contain the solutions for all the problems to be found in Part I of the textbook A First Course in String Theory.The handwritten solutions are all due to Jeffrey Goldstone. They are clear and elegant, and I hope that he will publish them someday.

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

Zwiebach obtained his Ph.D. in 1983, working under the supervision of Murray Gell-Mann. He has held postdoctoral positions at the University of California, Berkeley, and at MIT, where he became an assistant professor of physics in 1987, and a permanent member of the faculty in 1994. He is one of the world's leading experts in string field theory.

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Zwiebach then worked on exact analytic solutions in open string field theory. Starting in 2009, Zwiebach and Chris Hull began work on double field theory, an approach that aims to capture the T-duality properties of string theory in effective actions. Together with Olaf Hohm, Hull and Zwiebach constructed an action in terms of the generalized metric that incorporates a number of elements of generalized geometry. Zwiebach continues to work on this area, focusing now on stringy corrections to ...