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## **Lectures On String Theory Lecture**

David Tong: Lectures on String Theory. These lecture notes provide a detailed introduction to the bosonic string and conformal field theory, aimed at "Part III" (i.e. masters level) students. The full set of lectures notes can be downloaded here and weigh in at around 200 pages. They are now also available on the arxiv.

## **David Tong -- Cambridge Lecture Notes on String Theory**

Lectures on String Theory (Lecture Notes in Physics) by D. Lust (Author), S. Theisen (Author) 5.0 out of 5 stars 1 rating

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## **Lectures on String Theory (Lecture Notes in Physics): Lust ...**

Lecture notes files. SES # TOPICS; 1: What you need to know about string theory ()2: D3-branes at small and large coupling ()3: AdS/CFT from scratch, no strings ()4

## **Lecture Notes | String Theory | Physics | MIT OpenCourseWare**

Lectures on String Theory Gleb Arutyunova a Institute for Theoretical Physics and Spinoza Institute, Utrecht University 3508 TD Utrecht, The Netherlands Abstract: The course covers the basic concepts of modern string theory. This includes covariant and light-cone quantisation of bosonic and fermionic strings,

## **Lectures on String Theory**

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Abstract: This is a one semester course on bosonic string theory aimed at beginning graduate students. The lectures assume a working knowledge of quantum field theory and general relativity. Contents: 1. The Classical String 2. The Quantum String 3. Open Strings and D-Branes 4. Introducing Conformal Field Theory 5. The Polyakov Path Integral and Ghosts 6.

### **[0908.0333] Lectures on String Theory - arXiv.org**

A first course in String theory (Zwiebach) [7]: an interesting and different approach, making little use of conformal field theory methods, in favor of a less formal approach. Basic Concepts of String Theory (Blumenhagen, Lust, Theisen) [8]. As its name does not suggest, this book covers a lot of rather advanced topics about the worldsheet aspects of string theory. It is also rather appropriate for a math-oriented reader.

### **Lectures Notes on String Theory - sorbonne-universite**

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This is a set of LATEX'ed notes on String Theory from Liam McAllister's Physics 7683: String Theory course at Cornell University in Spring 2010. This is a working draft and is currently a set of personal notes. The lectures as given were flawless, all errors contained herein reflect solely the student's typographical and/or intellectual de ...

### **Lectures on String Theory - UCI Physics and Astronomy**

This is a collection of links to video lectures on string theory from CERN. String theory is a theoretical framework in which the point-like particles of particle physics are replaced by one-dimensional objects called strings.

### **Video Lectures on String Theory from CERN | Physics ...**

This section provides lecture notes for the course. These lecture notes were prepared in LaTeX by Bryan Owens, an MIT student. He used handwritten notes taken in class by Kayla Jacobs, an MIT

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graduate, in producing them. Professor Zwiebach has not thoroughly proofread these notes but believes they will be useful to people that want to know what goes on during lecture and what material gets ...

### **Lecture Notes | String Theory for Undergraduates | Physics ...**

Lectures on String Theory. Lecture notes in physics, 346. New York, NY: Springer-Verlag, 1989. ISBN: 9780387518824. M. Peskin's TASI lectures: Introduction to String Theory and Superstring Theory II (PDF - 5.5 MB) P. Ginsparg's Applied Conformal Field Theory lectures . A. Uranga's Lecture Notes for a Graduate Course in String Theory at the ...

### **Syllabus | String Theory | Physics | MIT OpenCourseWare**

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Susskind gives a lecture on the string th...

## **Lecture 1 | String Theory and M-Theory - YouTube**

Summary: The first lecture is of a qualitative nature. We explain the concept and the uses of duality in string theory and field theory. The prospects to understand QCD, the theory of the strong interactions, via string theory are discussed and we mention the AdS/CFT correspondence.

## **Introductory lectures on string theory and the AdS/CFT ...**

Lecture Notes Video Lectures Assignments Download Course Materials ... Lecture 10: Basics of String Theory and Light-cone Gauge. Lecture 11: String Theory in the Light-Cone Gauge. Lecture 12: String Spectrum and Graviton. Lecture 13: Physics of D-branes, Part I.

## **Video Lectures | String Theory and Holographic Duality ...**

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(October 4, 2010) Professor Leonard Susskind reviews harmonic oscillators, the spin of massless particles (photons and gravitons), the low lying spectrum of ...

### **Lecture 3 | String Theory and M-Theory - YouTube**

In this set of lectures Professor Susskind gives an introduction to String Theory, which he describes as a mathematical framework for theories that unify all the forces of nature, including gravity. In string theory, fundamental objects are no longer point particles; instead they are strings or higher dimensional objects called D-branes.

### **String Theory (Fall, 2010) | The Theoretical Minimum**

(September 27, 2010) Professor Leonard Susskind discusses how the forces that act upon strings can affect the quantum mechanics. He also reviews many of the ...



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## **Lecture 2 | String Theory and M-Theory - YouTube**

(January 10, 2011) Leonard Susskind gives a lecture on the string theory and particle physics. In this lecture, he begins by describing the theory of reducti...

## **Lecture 1 | Topics in String Theory - YouTube**

(October 18, 2010) Professor Leonard Susskind delivers a lecture concerning plonck variables and how they relate to string theory in the context of modern ph...

## **Lecture 5 | String Theory and M-Theory - YouTube**

String Theory. An introduction to string theory, aimed at first year graduate students. It covers the bosonic string and the basics of conformal field theory. Some Powerpoint Slides. Concepts in Theoretical Physics. A handful of lectures aimed at first year undergraduates, each focussing on a different topic in theoretical physics. ...

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