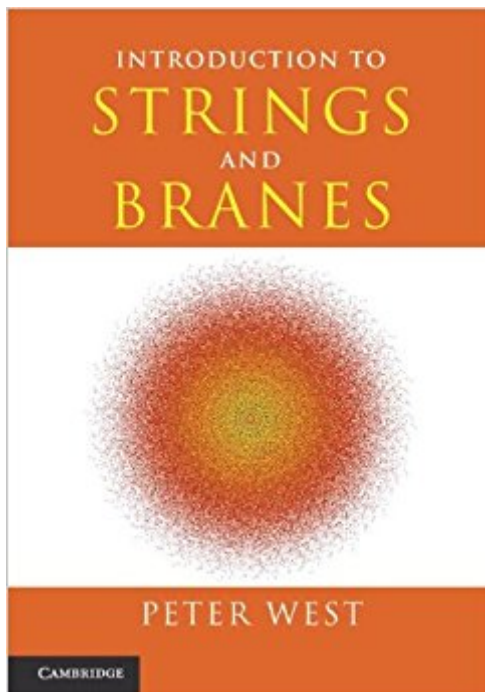


The book was found

Introduction To Strings And Branes



Synopsis

Supersymmetry, strings and branes are believed to be the essential ingredients in a single unified consistent theory of physics. This book gives a detailed, step-by-step introduction to the theoretical foundations required for research in strings and branes. After a study of the different formulations of the bosonic and supersymmetric point particles, the classical and quantum bosonic and supersymmetric string theories are presented. This book includes accounts of brane dynamics and D-branes and the T, S and U duality symmetries of string theory. The historical derivation of string theory is given as well as the sum over the world-sheet approach to the interacting string. More advanced topics include string field theory and Kac-Moody symmetries. The book contains pedagogical accounts of conformal quantum field theory, supergravity theories, Clifford algebras and spinors, and Lie algebras. It is essential reading for graduate students and researchers wanting to learn strings and branes.

Book Information

Hardcover: 722 pages

Publisher: Cambridge University Press; 1 edition (2012)

Language: English

ISBN-10: 0521817471

ISBN-13: 978-0521817479

Product Dimensions: 6.8 x 1.4 x 9.7 inches

Shipping Weight: 3.3 pounds (View shipping rates and policies)

Average Customer Review: 4.9 out of 5 stars Â See all reviews Â (13 customer reviews)

Best Sellers Rank: #460,358 in Books (See Top 100 in Books) #70 in Â Books > Science & Math > Physics > Nuclear Physics > Particle Physics #294 in Â Books > Science & Math > Physics > Mathematical Physics #1251 in Â Books > Textbooks > Science & Mathematics > Physics

Customer Reviews

Some theoretical physicists have what they see as an exciting new "theory of everything," string theory, that they feel will unify two seemingly diametrically opposed theories, quantum mechanics and general relativity. The theory of everything must unify nature's fundamental forces (gravitational, electromagnetic, and nuclear). Stephen Hawking is very interested in string theory. Gianguido Dall'Agata will be discussing the discovery of the SO(8) gauged theories of supergravity at King's College this month. This discussion has yet to take place and therefore is not a factor in this introductory book on strings and branes. West in his discussion of string interactions, ultimately

concludes that "One of the unusual aspects of string theory is that the theory used to calculate string scattering is often more complicated than the result itself, namely the the string scattering amplitudes." Throughout the book mathematical models are used to illustrate physics equations and formulae. Supersymmetric theories not discussed in the book can be found in West's complimentary book, Introduction to Supersymmetry and Supergravity. Additionally, topics not discussed in this book are Calabi-Yau Compactification (differential geometry required here), string-based black hole entropy computations and the AdS-CFT duality.

[Download to continue reading...](#)

Introduction to Strings and Branes
Tennis Strings Made Easy: All you need to know about Tennis
Strings
Introduction and Allegro for Strings, Op. 47 Quintet and Quartets for Piano and Strings
(Dover Chamber Music Scores)
Mass in G: For Soprano, Tenor and Bass Soli, Full Chorus of Mixed
Voices with Organ and Strings
Concerto for oboe and strings: Reduction for oboe and piano
Kubo and the Two Strings: The Junior Novel
Metric Manipulations in Haydn and Mozart: Chamber Music
for Strings, 1787-1791 (Oxford Studies in Music Theory)
CONCERTO FOR FLUTE STRINGS AND BASSO CONTINUO IN G MAJOR
BK/CD
Romeo and Juliet (ballet), Op.64 (Aubade)
œ for strings): Full Score (Qty 2) [A7810]
Concerto No. 1 for Piano and Strings: National Federation of
Music Clubs 2014-2016 Selection Arranged for Two Pianos
CONCERTO IN G MAJOR FOR VIOLIN STRINGS AND BASSO CONTINUO
HOB.VIIA:4 BK/CD
L'ARTE DEL VIOLONO
CONCERTO FOR VIOLIN STRINGS AND CONTINUE OP3 NO5-8 SCORE
(Edition Eulenburg)
L'ARTE DEL VIOLONO
CONCERTO FOR VIOLIN STRINGS AND CONTINUO OP3 NO9-12 SCORE
(Edition Eulenburg)
Vivaldi - Concertos for Bassoon, Strings & Cembalo No. 6 and No. 7:
Music Minus One
Bassoon Take-Down
Archery: A Do-It-Yourself Guide to Building PVC Take-Down Bows,
Take-Down Arrows, Strings and More
Strategies for Teaching Strings: Building a Successful String
and Orchestra Program
Pulling Strings with Puppet: Configuration Management Made Easy
(FirstPress)
Steamboat Seasons: A Medley of Recipes Celebrating the Flavors of
Steamboat Springs with Strings in the Mountains
Music Festival
Strings: The Miracle of Life

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)