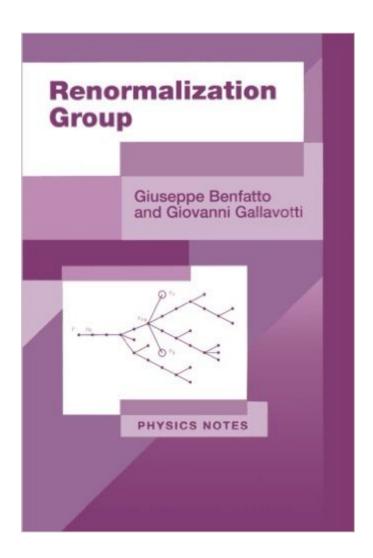
The book was found

Renormalization Group (Physics Notes)





Synopsis

Scaling and self-similarity ideas and methods in theoretical physics have, in the last twenty-five years, coalesced into renormalization-group methods. This book analyzes, from a single perspective, some of the most important applications: the critical-point theory in classical statistical mechanics, the scalar quantum field theories in two and three space-time dimensions, and Tomonaga's theory of the ground state of one-dimensional Fermi systems. The dimension dependence is discussed together with the related existence of anomalies (in Tomonaga's theory and in 4 -e dimensions for the critical point). The theory of Bose condensation at zero temperature in three space dimensions is also considered. Attention is focused on results that can in principle be formally established from a mathematical point of view. The 4 -e dimensions theory, Bose condensation, as well as a few other statements are exceptions to this rule, because no complete treatment is yet available. However, the truly mathematical details are intentionally omitted and only referred to. This is done with the purpose of stressing the unifying conceptual structure rather than the technical differences or subtleties.

Book Information

Series: Physics Notes (Book 1)

Paperback: 140 pages

Publisher: Princeton University Press; First Edition edition (July 10, 1995)

Language: English

ISBN-10: 0691044465

ISBN-13: 978-0691044460

Product Dimensions: 6 x 0.4 x 9 inches

Shipping Weight: 7.5 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,907,834 in Books (See Top 100 in Books) #298 in Books > Science &

Math > Physics > Applied #393 in Books > Science & Math > Physics > Nuclear Physics >

Particle Physics #1398 in Books > Science & Math > Physics > Mathematical Physics

Download to continue reading...

Renormalization Group (Physics Notes) Lectures On Phase Transitions And The Renormalization Group (Frontiers in Physics) Phase Transitions and Renormalization Group (Oxford Graduate Texts) LECTURES ON QED AND QCD: PRACTICAL CALCULATION AND RENORMALIZATION OF ONE- AND MULTI-LOOP FEYNMAN DIAGRAMS Physics from Symmetry (Undergraduate

Lecture Notes in Physics) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Flying Tigers Colors: Camouflage and Markings of the American Volunteer Group and the USAAF 23rd Fighter Group, 1941-1945 (Warplane Color Gallery) Group Techniques for Program Planning: A Guide to Nominal Group and Delphi Processes Flashcard Study System for the ACE Group Fitness Instructor Exam: ACE Test Practice Questions & Review for the American Council on Exercise Group Fitness Instructor Exam Brief Group Treatment: Practical Training for Therapists and Counselors (Group Counseling) EROTICA: BUNDLE - TABOO BOOKS (SWINGERS, CUCKOLD, INTERRACIAL, SHARING, THREESOME, HOTWIFE SHORT SEX STORIES COLLECTION, BDSM GROUP, SEXY FF MM GROUP SERIES) The Light Between Oceans: A Guide for Book Clubs (The Reading Room Book Group Notes) The Sympathizer: A Guide for Book Clubs (The Reading Room Book Group Notes) Group Theory and Physics Symmetry: An Introduction to Group Theory and Its Applications (Dover Books on Physics) Notes from the Underground: A Classic 1864 Russian Novella (Notes from the Underground - Fyodor Dostoyevsky) Peds Rehab Notes: Evaluation and Intervention Pocket Guide (Davis's Notes Book) Ther Ex Notes: Clinical Pocket Guide (Davis's Notes) Derm Notes: Dermatology Clinical Pocket Guide (Davis's Notes) Surgical Notes: A Pocket Survival Guide for the Operating Room (Davis's Notes)

<u>Dmca</u>