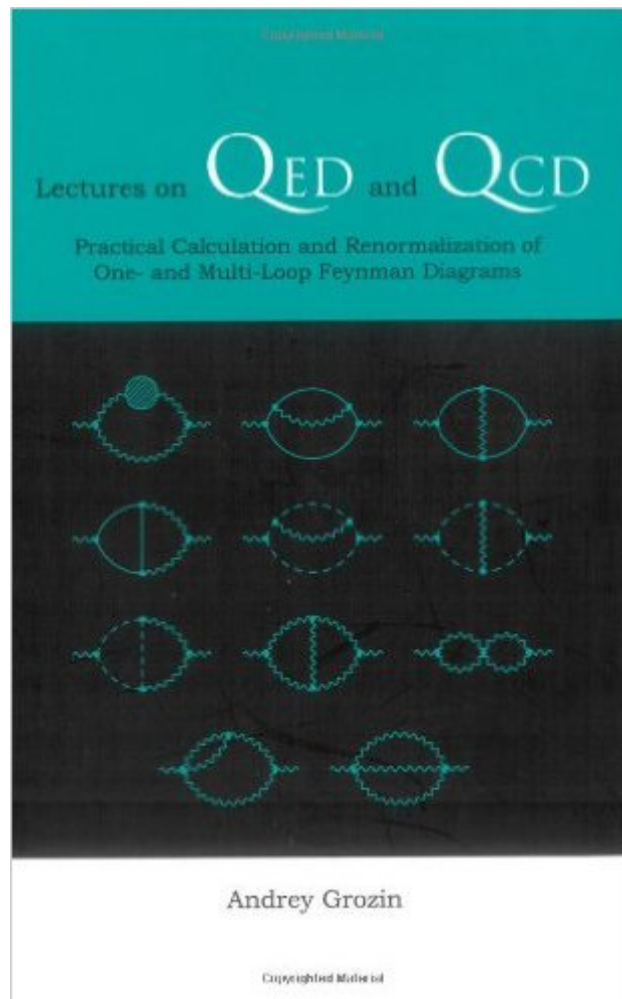


The book was found

LECTURES ON QED AND QCD: PRACTICAL CALCULATION AND RENORMALIZATION OF ONE- AND MULTI-LOOP FEYNMAN DIAGRAMS



Synopsis

The increasing precision of experimental data in many areas of elementary particle physics requires an equally precise theoretical description. In particular, radiative corrections (described by one- and multi-loop Feynman diagrams) have to be considered. Although a growing number of physicists are involved in such projects, multi-loop calculation methods can only be studied from original publications. With its coverage of multi-loop calculations, this book serves as an excellent supplement to the standard textbooks on quantum field theory. Based around postgraduate-level lectures given by the author, the material is suitable for both beginners and graduate students.

Book Information

Hardcover: 236 pages

Publisher: World Scientific Publishing (January 23, 2007)

Language: English

ISBN-10: 9812569146

ISBN-13: 978-9812569141

Product Dimensions: 6.5 x 0.9 x 9 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 2.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #1,976,941 in Books (See Top 100 in Books) #300 in Â Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics #1682 in Â Books > Science & Math > Physics > Quantum Theory #5146 in Â Books > Textbooks > Science & Mathematics > Physics

Customer Reviews

This book addresses how to do QED and QCD calculations, but has a number of items it says that it does not explain, such as small black dots next to some of the paths, with no explanation about what it means. Could be very valuable, in the right hands. I am still looking for a book that is the next step beyond Finemann's QED.

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

LECTURES ON QED AND QCD: PRACTICAL CALCULATION AND RENORMALIZATION OF ONE- AND MULTI-LOOP FEYNMAN DIAGRAMS Feynman Lectures Simplified 4A: Math for Physicists (Everyone's Guide to the Feynman Lectures on Physics Book 12) Lectures On Phase Transitions And The Renormalization Group (Frontiers in Physics) Exercises for the Feynman Lectures on Physics Modern Perspectives in Lattice QCD: Quantum Field Theory and High

Performance Computing: Lecture Notes of the Les Houches Summer School: Volume 93, August 2009
Cooking for One: 365 Recipes For One, Quick and Easy Recipes (Healthy Cooking for One, Easy Cooking for One, One Pot, One Pan)
The Feedback Loop: (Book One) (Sci-Fi LitRPG Series)
Phase Transitions and Renormalization Group (Oxford Graduate Texts)
Surely You're Joking, Mr. Feynman! (Adventures of a Curious Character)
Renormalization Group (Physics Notes)
Commercial Pilot Practical Test Standards for Airplane Single- and Multi-Engine Land and Sea: FAA-S-8081-12C (Practical Test Standards series)
How to Boil an Egg: Poach One, Scramble One, Fry One, Bake One, Steam One
The Government of Self and Others: Lectures at the College de France, 1982-1983 (Lectures at the Collège de France)
Lectures on Antitrust Economics (Cairol Lectures)
The Birth of Biopolitics: Lectures at the College de France, 1978-1979 (Lectures at the Collège de France)
Lectures on the Will to Know (Michel Foucault, Lectures at the Collège de France)
Security, Territory, Population: Lectures at the College De France, 1977 - 78 (Michel Foucault, Lectures at the Collège de France)
When Sun-tzu Met Clausewitz: The OODA Loop and the Invasion of Iraq
Loop of Jade
The Feedback Loop (3-Book Box Set): (Scifi LitRPG Series)

[Dmca](#)