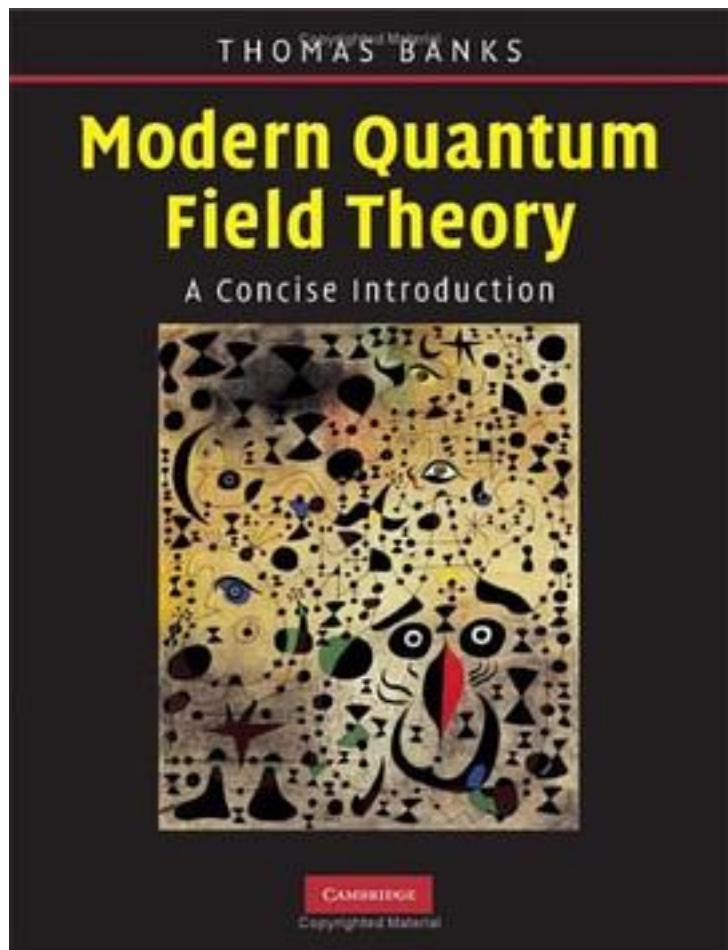


Modern Quantum Field Theory



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著者:Tom Banks

出版者:Cambridge University Press

出版时间:2008-10-27

装帧:Hardcover

isbn:9780521850827

Presenting a variety of topics that are only briefly touched on in other texts, this book provides a thorough introduction to the techniques of field theory. Covering Feynman diagrams and path integrals, the author emphasizes the path integral approach, the

Wilsonian approach to renormalization, and the physics of non-abelian gauge theory. It provides a thorough treatment of quark confinement and chiral symmetry breaking, topics not usually covered in other texts at this level. The Standard Model of particle physics is discussed in detail. Connections with condensed matter physics are explored, and there is a brief, but detailed, treatment of non-perturbative semi-classical methods. Ideal for graduate students in high energy physics and condensed matter physics, the book contains many problems, which help students practise the key techniques of quantum field theory.

作者介绍:

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书评

这本书从内容上看是一本高级教程，是写给学过基本的场论，了解正则量子化、路径积分量子化的读者看的。虽然前言中作者把本书与Mandl做比，但可惜的是，本书在易读性上与mandl着实有天壤之别，作为自学和初学的读物似乎并不合适，反而对了解场论基本概念的读者来说，这本书却是...

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