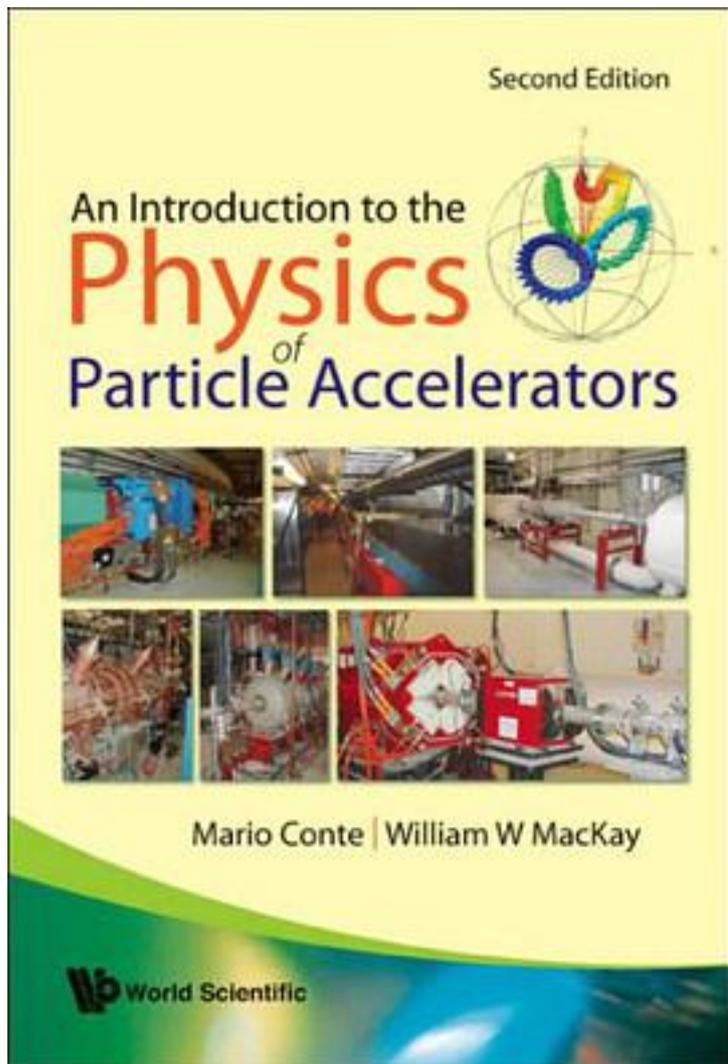


An Introduction to the Physics of Particle Accelerators



[An Introduction to the Physics of Particle Accelerators_ 下载链接1](#)

著者:Conte, Mario/ Mackay, William W.

出版者:

出版时间:2008-3

装帧:

isbn:9789812779618

This book provides a concise and coherent introduction to the physics of particle accelerators, with attention being paid to the design of an accelerator for use as an experimental tool. In the second edition, new chapters on spin dynamics of polarized beams as well as instrumentation and measurements are included, with a discussion of frequency spectra and Schottky signals. The additional material also covers quadratic Lie groups and integration highlighting new techniques using Cayley transforms, detailed estimation of collider luminosities, and new problems.

作者介绍:

目录:

[An Introduction to the Physics of Particle Accelerators_下载链接1](#)

标签

粒子加速器

评论

Conte这本书真是抵得上一堆accelerator training school的slides，公式推导的很完备，虽然需要一些电动力学基础，对于我这种半路转行开始研究beam dynamics的有点吃力，不过可以配合Feynman的物理学讲义和Griffith的电动力学阅读（虽然全读完太花时间），最后的appendix解释了一些confusing概念，也非常好。

[An Introduction to the Physics of Particle Accelerators_下载链接1](#)

书评

[An Introduction to the Physics of Particle Accelerators_下载链接1](#)