

1. Record Nr.	UNINA9910143094303321
Autore	Blumenhagen R (Ralph)
Titolo	Introduction to conformal field theory : with applications to string theory / / R. Blumenhagen, E. Plauschinn
Pubbl/distr/stampa	Berling, : Springer Verlag, 2009
ISBN	9786613562777 9781280384851 1280384859 9783642004506 3642004504
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XI, 265 p. 24 illus.)
Collana	Lecture notes in physics ; ; 779
Classificazione	UD 8220 *81-01 33.16 33.23 33.24 33.50 81R10 81T30 81T40 81T60
Altri autori (Persone)	PlauschinnE (Erik)
Disciplina	530.14
Soggetti	Conformal invariants Quantum field theory String models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 259) and index.
Nota di contenuto	Basics in Conformal Field Theory -- Symmetries of Conformal Field Theories -- Conformal Field Theory on the Torus -- Supersymmetric Conformal Field Theory -- Boundary Conformal Field Theory.
Sommario/riassunto	Based on class-tested notes, this text offers an introduction to Conformal Field Theory with a special emphasis on computational techniques of relevance for String Theory. It introduces Conformal Field

Theory at a basic level, Kac-Moody algebras, one-loop partition functions, Superconformal Field Theories, Gepner Models and Boundary Conformal Field Theory. Eventually, the concept of orientifold constructions is explained in detail for the example of the bosonic string. In providing many detailed CFT calculations, this book is ideal for students and scientists intending to become acquainted with CFT techniques relevant for string theory but also for students and non-specialists from related fields.
