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Titolo	Introduction to Conformal Field Theory [[electronic resource]] : With Applications to String Theory / / by Ralph Blumenhagen, Erik Plauschinn
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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.