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Titolo	Field Theory, Topology and Condensed Matter Physics [[electronic resource] ] : Proceedings of the Ninth Chris Engelbrecht Summer School in Theoretical Physics Held at Storms River Mouth, Tsitsikamma, National Park, South Africa, 17-28 January 1994 / / edited by Hendrik B. Geyer
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Edizione	[1st ed. 1995.]
Descrizione fisica	1 online resource (XII, 206 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 456
Disciplina	537.6/2
Soggetti	Condensed matter Physics Elementary particles (Physics) Quantum field theory Differential geometry Condensed Matter Physics Mathematical Methods in Physics Numerical and Computational Physics, Simulation Elementary Particles, Quantum Field Theory Differential Geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	to conformal invariance in statistical mechanics and to random surface models -- to path integrals, matrix models and strings -- Quantum hall fluids -- Topological orders and edge excitations in fractional quantum hall states -- Topological mechanism of superconductivity.
Sommario/riassunto	This topical volume contains five pedagogically written articles on the interplay between field theory and condensed matter physics. The main emphasis is on the topological aspects, and especially quantum Hall fluids, and superconductivity is treated extensively. Other topics are conformal invariance and path integrals. The articles are carefully edited so that the book could ideally serve as a text for special

graduate courses.

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