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Autore	Mastropietro Vieri
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Nota di contenuto	Renormalization; Mathematical Techniques; QED2, Thirring and Gross-Neveu Models; Ward Identities; Chiral Anomalies and the Adler-Bardeen Theorem; Vanishing of Beta Function; Wilson Fermion and Axiom Verification; Infrared QED4; Universality in Ising Models; Nonuniversality in Vertex or Askin-Teller Models; The Anisotropic Ashkin-Teller Model; Luttinger Liquids and Spin Chains; The 1D Hubbard Model; Fermi Liquid Behavior in the 2D Hubbard Model; The BCS Model.
Sommario/riassunto	The notion of renormalization is at the core of several spectacular achievements of contemporary physics. This book provides an introduction to the sophisticated tools used in the theory of non-perturbative renormalization, allowing a unified and rigorous treatment of Quantum Field Theory, Statistical Physics and Condensed Matter models.