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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics of spin geometry -- Explicit computations of spectra -- Lower eigenvalue estimates on closed manifolds -- Lower eigenvalue estimates on compact manifolds with boundary -- Upper eigenvalue bounds on closed manifolds -- Prescription of eigenvalues on closed manifolds -- The Dirac spectrum on non-compact manifolds -- Other topics related with the Dirac spectrum.
Sommario/riassunto	This volume surveys the spectral properties of the spin Dirac operator. After a brief introduction to spin geometry, we present the main known estimates for Dirac eigenvalues on compact manifolds with or without boundaries. We give examples where the spectrum can be made explicit and present a chapter dealing with the non-compact setting. The methods mostly involve elementary analytical techniques and are therefore accessible for Master students entering the subject. A complete and updated list of references is also included.

