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Nota di contenuto	Smooth theory in dimensions 2 and 3 -- Standard Theory -- 2D degenerating magnetic Schrödinger operator -- 2D magnetic Schrödinger near boundary -- Magnetic Schrödinger operator: short loops -- Dirac operator with strong magnetic field.
Sommario/riassunto	The prime goal of this monograph, which comprises a total of five volumes, is to derive sharp spectral asymptotics for broad classes of partial differential operators using techniques from semiclassical microlocal analysis, in particular, propagation of singularities, and to subsequently use the variational estimates in “small” domains to consider domains with singularities of different kinds. In turn, the general theory (results and methods developed) is applied to the Magnetic Schrödinger operator, miscellaneous problems, and multiparticle quantum theory. In this volume the methods developed in Volumes I and II are applied to the Schrödinger and Dirac operators in smooth settings in dimensions 2 and 3.