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Nota di contenuto	PDEs in Conformal Geometry -- Heat Kernels in Sub-Riemannian Settings -- Concentration of Solutions for Some Singularly Perturbed Neumann Problems -- On Some Elliptic Problems in the Study of Selfdual Chern-Simons Vortices -- The k-Hessian Equation -- Minimal Surfaces in CR Geometry.
Sommario/riassunto	This volume contains lecture notes on some topics in geometric analysis, a growing mathematical subject which uses analytical techniques, mostly of partial differential equations, to treat problems in differential geometry and mathematical physics. The presentation of the material should be rather accessible to non-experts in the field, since the presentation is didactic in nature. The reader will be provided with a survey containing some of the most exciting topics in the field,

with a series of techniques used to treat such problems.
