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Nota di contenuto	Preface -- The supremum of first eigenvalues of conformally covariant operators in a conformal class / Bernd Ammann and Pierre Jammes -- K-destabilizing test configurations with smooth central fiber / Claudio Arezzo, Alberto Della Vedova and Gabriele La Nave -- Explicit constructions of Ricci solitons / Paul Baird -- Open iwawasa cells and applications to surface theory / Josef F. Dorfmeister -- Multiplier ideal sheaves and geometric problems / Akito Futaki and Yuji Sano -- Multisymplectic formalism and the covariant phase space / Frederic Helein -- Nonnegative curvature on disk bundles / Lorenz J. Schwachhofer -- Morse theory and stable pairs / Richard A. Wentworth and Graeme Wilkin -- Manifolds with k-positive / Ricci curvature Jon Wolfson.
Sommario/riassunto	The field of geometric variational problems is fast-moving and

influential. These problems interact with many other areas of mathematics and have strong relevance to the study of integrable systems, mathematical physics and PDEs. The workshop 'Variational Problems in Differential Geometry' held in 2009 at the University of Leeds brought together internationally respected researchers from many different areas of the field. Topics discussed included recent developments in harmonic maps and morphisms, minimal and CMC surfaces, extremal Kahler metrics, the Yamabe functional, Hamiltonian variational problems and topics related to gauge theory and to the Ricci flow. These articles reflect the whole spectrum of the subject and cover not only current results, but also the varied methods and techniques used in attacking variational problems. With a mix of original and expository papers, this volume forms a valuable reference for more experienced researchers and an ideal introduction for graduate students and postdoctoral researchers.
