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Nota di contenuto	Preface; Contents; 1 Background material; 2 Introduction to connections, curvature and holonomy groups; 3 Riemannian holonomy groups; 4 Calibrated geometry; 5 Kahler manifolds; 6 The Calabi Conjecture; 7 Calabi-Yau manifolds; 8 Special Lagrangian geometry; 9 Mirror symmetry and the SYZ Conjecture; 10 Hyperkahler and quaternionic Kahler manifolds; 11 The exceptional holonomy groups; 12 Associative, coassociative and Cayley submanifolds; References; Index
Sommario/riassunto	Riemannian holonomy groups and calibrated geometry covers an exciting and active area of research at the crossroads of several different fields in Mathematics and Physics. Drawing on the author's previous work the text has been written to explain the advanced mathematics involved simply and clearly to graduate students in both disciplines. - ;This graduate level text covers an exciting and active area of research at the crossroads of several different fields in Mathematics and Physics. In Mathematics it involves Differential Geometry, Complex Algebraic Geometry, Symplectic Geometry, and in Phy

