Record Nr. UNINA9910782293403321 Autore Felix Y (Yves) Titolo Algebraic models in geometry [[electronic resource] /] / Yves Felix, John Oprea, Daniel Tanre Oxford,: Oxford University Press, 2008 Pubbl/distr/stampa **ISBN** 1-383-03455-9 1-281-34180-0 9786611341800 0-19-152569-3 Descrizione fisica 1 online resource (483 p.) Collana Oxford graduate texts in mathematics;; 17 Altri autori (Persone) OpreaJohn **TanreDaniel** Disciplina 514.24 Soggetti Homotopy theory Geometry, Algebraic Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preface; Contents; 1 Lie groups and homogeneous spaces; 2 Minimal models; 3 Manifolds; 4 Complex and symplectic manifolds; 5 Geodesics; 6 Curvature; 7 G-spaces; 8 Blow-ups and Intersection Products; 9 A Florilege of geometric applications; A: De Rham forms; B: Spectral sequences; C: Basic homotopy recollections; References; Index Sommario/riassunto A text aimed at both geometers needing the tools of rational homotopy theory to understand and discover new results concerning various geometric subjects, and topologists who require greater breadth of knowledge about geometric applications of the algebra of homotopy theory. - ;Rational homotopy is a very powerful tool for differential topology and geometry. This text aims to provide graduates and researchers with the tools necessary for the use of rational homotopy in geometry. Algebraic Models in Geometry has been written for

topologists who are drawn to geometrical problems amenable to topo