

1. Record Nr.	UNINA9910254089803321
Autore	Fortuna Elisabetta
Titolo	Projective Geometry : Solved Problems and Theory Review // by Elisabetta Fortuna, Roberto Frigerio, Rita Pardini
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-42824-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XII, 266 p. 31 illus.)
Collana	La Matematica per il 3+2, , 2038-5722 ; ; 104
Disciplina	516.5
Soggetti	Geometry, Projective Geometry, Algebraic Projective Geometry Algebraic Geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1 Theory Review -- 2 Exercises on Projective Spaces -- 3 Exercises on Curves and Hypersurfaces -- 4 Exercises on Conics and Quadrics.
Sommario/riassunto	This book starts with a concise but rigorous overview of the basic notions of projective geometry, using straightforward and modern language. The goal is not only to establish the notation and terminology used, but also to offer the reader a quick survey of the subject matter. In the second part, the book presents more than 200 solved problems, for many of which several alternative solutions are provided. The level of difficulty of the exercises varies considerably: they range from computations to harder problems of a more theoretical nature, up to some actual complements of the theory. The structure of the text allows the reader to use the solutions of the exercises both to master the basic notions and techniques and to further their knowledge of the subject, thus learning some classical results not covered in the first part of the book. The book addresses the needs of undergraduate and graduate students in the theoretical and applied sciences, and will especially benefit those readers with a solid grasp of elementary Linear Algebra.