

1. Record Nr.	UNINA9910797242403321
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Titolo	N-gons // Friedrich Bachmann and Eckart Schmidt ; translated by Cyril W. L. Garner
Pubbl/distr/stampa	Toronto, [Ontario] ; ; Buffalo, [New York] : , : University of Toronto Press, , 1975 ©1975
ISBN	1-4426-5644-1
Descrizione fisica	1 online resource (208 p.)
Collana	Mathematical Expositions, , 0076-5333x ; ; Number 18
Disciplina	516/.22
Soggetti	Polygons Set theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Translation of: N-Ecke.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- PART I: Cyclic classes and cyclic mappings -- PART II: The main theorem -- PART III: Boolean algebras of n-gonal theory -- PART IV: Atomic decompositions -- Appendices -- List of symbols and notations.
Sommario/riassunto	This book, a translation of the German volume n-Ecke, presents an elegant geometric theory which, starting from quite elementary geometrical observations, exhibits an interesting connection between geometry and fundamental ideas of modern algebra in a form that is easily accessible to the student who lacks a sophisticated background in mathematics. It stimulates geometrical thought by applying the tools of linear algebra and the algebra of polynomials to a concrete geometrical situation to reveal some rather surprising insights into the geometry of n-gons. The twelve chapters treat n-gons, classes of n-gons, and mapping of the set of n-gons into itself. Exercises are included throughout, and two appendixes, by Henner Kinder and Eckart Schmidt, provide background material on lattices and cyclotomic polynomials.(Mathematical Expositions No. 18).