1. Record Nr. UNINA9910782335703321 Autore Magnus Wilhelm <1907-1990.> Titolo Noneuclidean tesselations and their groups [[electronic resource] /] / Wilhelm Magnus New York;; London,: Academic Press, 1974 Pubbl/distr/stampa **ISBN** 1-281-76658-5 9786611766580 0-08-087377-4 Descrizione fisica 1 online resource (225 p.) Collana Pure and applied mathematics;; 61 Disciplina 510.8 s511.6 510/.8 s 511/.6 516.9 Soggetti Tessellations (Mathematics) Geometry, Non-Euclidean Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliography and index. Nota di contenuto Front Cover: Noneuclidean Tesselations and Their Groups: Copyright Page: Contents; Preface: Abbreviations and Symbols; CHAPTER I. ELEMENTARY CONCEPTS AND FORMULAS; I.1 The Group G\* of Homographic Substitutions: I.2 Action of G\* on the Closed Complex Plane C; I.3 Action of G\* on Hyperbolic Three-Space; I.4 Circle Groups as Groups of Motions of Hyperbolic Two-Space; I.5 Notes on Elliptic and Spherical Geometry; I.6 Illustrations. References and Historical Remarks; I.7 Appendix: Hilbert's Axioms of Geometry; CHAPTER II. DISCONTINUOUS GROUPS AND TRIANGLE TESSELATIONS; II.1 Introductory Remarks II.2 Discontinuous Groups and Fundamental RegionsII.3 Triangle Groups, Local and Global Relations; II.4 Euclidean, Spherical, and Elliptic Triangle Groups; II.5 Hyperbolic Triangle Groups; II.6 Some Subgroups of Hyperbolic Triangle Groups; II.7 General Theorems. A Survey and References; CHAPTER III. NUMBER THEORETICAL METHODS; III.1 The Modular Group; III.2 Subgroups and Quotient Groups of the

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