Record Nr. UNINA9910827188803321 Autore Eilenberg Samuel Titolo Foundations of algebraic topology / / Samuel Eilenberg, Norman Steenrod Pubbl/distr/stampa Princeton, N.J.:,: Princeton University Press,, 1952 ©1952 **ISBN** 0-691-65329-1 1-4008-7749-0 Descrizione fisica 1 online resource (345 pages) Collana **Princeton Legacy Library** Princeton Mathematical Series; ; 15 Disciplina 513.83 Soggetti **Topology** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di contenuto Front matter -- Preface -- Contents -- I. Axioms and general theorems -- II. Simplicial complexes -- III. Homology theory of simplicial complexes -- IV. Categories and functors -- V. Chain complexes -- VI. Formal homology theory of simplicial complexes -- VII. The singular homology theory -- VIII. Systems of groups and their limits -- IX. The ech homology theory -- X. Special features of the ech theory -- XI. Applications to Euclidean Spaces -- Index Sommario/riassunto The need for an axiomatic treatment of homology and cohomology theory has long been felt by topologists. Professors Eilenberg and Steenrod present here for the first time an axiomatization of the complete transition from topology to algebra. Originally published in 1952. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.