Record Nr. UNINA9910734862203321 Autore Pollard Stephen Titolo Ernst Schroder on Algebra and Logic / / edited by Stephen Pollard Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2022 9783031056710 **ISBN** 9783031056703 Edizione [1st ed. 2022.] Descrizione fisica 1 online resource (355 pages) Collana Synthese Library, Studies in Epistemology, Logic, Methodology, and Philosophy of Science, , 2542-8292 ; ; 465 Disciplina 511.324 512 Soggetti Logic Mathematical logic Universal algebra Mathematics History Mathematics—Study and teaching Mathematical Logic and Foundations General Algebraic Systems History of Mathematical Sciences Mathematics Education Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preface -- 1) Introduction -- 2) Ernst Schroder's "Lehrbuch der Arithmetik und Algebra fur Lehrer und Studirende" (1873) -- 3) Ernst Schroder's booklet "Der Operationskreis des Logikkalkuls (1877) -- 4) Ernst Schroder "Note über den Operationskreis des Logikcalculs" (1877) -- Bibliography -- Name/Subject Index . This volume offers English translations of three early works by Ernst Sommario/riassunto Schröder (1841-1902), a mathematician and logician whose philosophical ruminations and pathbreaking contributions to algebraic

logic attracted the admiration and ire of figures such as Dedekind,

Frege, Husserl, and C. S. Peirce. Today he still engages the sympathetic

interest of logicians and philosophers. The works translated record Schröder's journey out of algebra into algebraic logic and document his transformation of George Boole's opaque and unwieldy logical calculus into what we now recognize as Boolean algebra. Readers interested in algebraic logic and abstract algebra can look forward to a tour of the early history of those fields with a guide who was exceptionally thorough, unfailingly honest, and deeply reflective.