Record Nr. UNINA9910823841103321 Autore Frascolla Pasquale <1952-> Titolo Wittgenstein's philosophy of mathematics / / Pasquale Frascolla Pubbl/distr/stampa London;; New York,: Routledge, 1994 **ISBN** 1-134-97436-1 1-134-97437-X 1-283-24106-4 9786613241061 0-203-02246-7 Edizione [1st ed.] 1 online resource (201 p.) Descrizione fisica Disciplina 510/.1 Soggetti Mathematics - Philosophy Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 185-187) and index. WITTGENSTEIN'S PHILOSOPHY OF MATHEMATICS: Copyright; Nota di contenuto CONTENTS; Preface; Abbreviations; 1 The Philosophy of Arithmetic of the Tractatus; Preliminaries; Systematic exposition; The ""knowledge "" of forms: vision and calculation; Foundations of mathematics (I); 2 Verificationism and Its Limits: The intermediate phase (1929-33); Introduction: Finite cardinal numbers: the arithmetic of strokes: Mathematical propositions: The mathematical infinite: Foundations of mathematics (II); 3 From Facts to Concepts: The later writings on mathematics (1934-44): The crisis of verificationism: rule-following Mathematical proofs as paradigmsThe problem of strict finitism; Wittgenstein's quasi-revisionism; Notes; References; Index Sommario/riassunto Wittgenstein's role was vital in establishing mathematics as one of this century's principal areas of philosophic inquiry. In this book, the three phases of Wittgenstein's reflections on mathematics are viewed as a progressive whole, rather than as separate entities. Frascolla builds up a systematic construction of Wittgenstein's representation of the role of arithmetic in the theory of logical operations. He also presents a new interpretation of Wittgenstein's rule-following considerations - the `community view of internal relations'.