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Autore	Parsons Charles <1933->
Titolo	Philosophy of mathematics in the twentieth century : selected essays / / Charles Parsons
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ISBN	0-674-41950-2 0-674-41949-9
Descrizione fisica	1 online resource (368 p.)
Disciplina	510.1
Soggetti	Mathematics - Philosophy Logic, Symbolic and mathematical Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- CONTENTS -- PREFACE -- INTRODUCTION -- PART I SOME MATHEMATICIANS AS PHILOSOPHERS -- 1 THE KANTIAN LEGACY IN TWENTIETH-CENTURY FOUNDATIONS OF MATHEMATICS -- 2 REALISM AND THE DEBATE ON IMPREDICATIVITY, 1917-1944 -- POSTSCRIPT TO ESSAY 2 -- 3 PAUL BERNAYS'LATER PHILOSOPHY OF MATHEMATICS -- 4 KURT GÖDEL -- 5 GÖDEL'S "RUSSELL'S MATHEMATICAL LOGIC" -- 6 QUINE AND GÖDEL ON ANALYTICITY -- POSTSCRIPT TO ESSAY 6 -- 7 PLATONISM AND MATHEMATICAL INTUITION IN KURT GÖDEL'S THOUGHT -- POST SCRIPT TO ESSAY 7 -- PART II CONTEMPORARIES -- 8 QUINE'S NOMINALISM -- 9 GENETIC EXPLANATION IN THE ROOTS OF REFERENCE -- 10 HAO WANG AS PHILOSOPHER AND INTERPRETER OF GÖDEL -- 11 PUTNAM ON EXISTENCE AND ONTOLOGY -- 12 WILLIAM TAIT'S PHILOSOPHY OF MATHEMATICS -- BIBLIOGRAPHY -- COPYRIGHT ACKNOWLEDGMENTS -- INDEX
Sommario/riassunto	In this illuminating collection, Charles Parsons surveys the contributions of philosophers and mathematicians who shaped the philosophy of mathematics over the course of the past century. Parsons

begins with a discussion of the Kantian legacy in the work of L. E. J. Brouwer, David Hilbert, and Paul Bernays, shedding light on how Bernays revised his philosophy after his collaboration with Hilbert. He considers Hermann Weyl's idea of a "vicious circle" in the foundations of mathematics, a radical claim that elicited many challenges. Turning to Kurt Gödel, whose incompleteness theorem transformed debate on the foundations of mathematics and brought mathematical logic to maturity, Parsons discusses his essay on Bertrand Russell's mathematical logic--Gödel's first mature philosophical statement and an avowal of his Platonistic view. Philosophy of Mathematics in the Twentieth Century insightfully treats the contributions of figures the author knew personally: W. V. Quine, Hilary Putnam, Hao Wang, and William Tait. Quine's early work on ontology is explored, as is his nominalistic view of predication and his use of the genetic method of explanation in the late work The Roots of Reference. Parsons attempts to tease out Putnam's views on existence and ontology, especially in relation to logic and mathematics. Wang's contributions to subjects ranging from the concept of set, minds, and machines to the interpretation of Gödel are examined, as are Tait's axiomatic conception of mathematics, his minimalist realism, and his thoughts on historical figures.

2. Record Nr. UNINA9910791416303321

Autore	Andrews James T. <1961->
Titolo	Red cosmos [[electronic resource]] : K.E. Tsiolkovskii, grandfather of Soviet rocketry / / James T. Andrews
Pubbl/distr/stampa	College Station, : Texas A & M University Press, c2009
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Descrizione fisica	1 online resource (168 p.)
Collana	Centennial of flight series ; ; no. 18
Disciplina	629.4092 B
Soggetti	Aerospace engineers - Soviet Union Authors, Russian Authors, Soviet Science fiction, Soviet - History and criticism Astronautics - Russia - History Astronautics - Social aspects - Soviet Union
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Prelude before Tsiolkovskii: Russian rocketry from Peter the Great to the nineteenth century -- Introduction envisioning the cosmos: K. E. Tsiolkovskii, Russian public culture, and the mythology of Soviet cosmonautics, 1857-1964 -- Beginnings, teaching science in a provincial context: Tsiolkovskii's years in the Russian locale, 1857-1917 -- Dreaming of the cosmos: early scientific and technical experimentation in pre-1917 Kaluga, Russia -- Getting serious about rocket flight in revolutionary Russia, 1917-1928 -- Cross-fertilizing futuristic literary genres: utopian science fiction or didactic popular technology in revolutionary Russia, 1890-1928 -- Stalin, Khrushchev, and the spaceman: technology, Soviet national identity, and the memorialization of a local hero in the dawn of Sputnik, 1928-1957 -- Epilogue and conclusion: chudo (wonder) or chudak (crank), the legacy of Tsiolkovskii in the Khrushchev era and beyond 1964.