1.	Record Nr.	UNINA9910568292603321
	Autore	Von Plato Jan
	Titolo	Chapters from Gödel's Unfinished Book on Foundational Research in Mathematics / / by Jan von Plato
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
	ISBN	9783030971342
		9783030971335
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (221 pages)
	Collana	Vienna Circle Institute Library ; ; 6
	Disciplina	193
	Soggetti	Mathematics - Philosophy
		Mathematical logic
		Philosophy - History
		Intellectual life - History
		Philosophy of Mathematics
		Mathematical Logic and Foundations
		History of Philosophy
		Intellectual History
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Preface -- Dedication -- Part I: Gödel's "Own Book on Foundations" -- Chapter 1. A Gödel puzzle -- Chapter 2. The Ergebnisse book project -- Chapter 3. Gödel's reading of the logical literature -- Chapter 4. Gödel's manuscript for the Ergebnisse book series -- Part II: Own Book (Foundations) -- Chapter 5. Introduction -- Chapter 6. Logicism -- Chapter 7. Antinomies -- Chapter 8. Clear version, from the beginning to the antinomies -- Chapter 9. The epistemological standpoint of the logicists -- Chapter 10. Logical calculus -- Chapter 11. Metamathematics -- Chapter 12. General metamathematics (Princeton) -- Part III: Gödel's Reading Notes -- Chapter 13. Editorial remarks -- Chapter 14. The untitled notebook -- Chapter 15. The Altes Excerptenheft -- References -- Index.
	Sommario/riassunto	This volume contains English translations of Gödel's chapters on logicism and the antinomies and on the calculi of pure logic, as well as

outlines for a chapter on metamathematics. It also comprises most of his reading notes. This book is a testimony to Gödel's understanding of the situation of foundational research in mathematics after his great discovery, the incompleteness theorem of 1931. It is also a source for his views on his logical predecessors, from Leibniz, Frege, and Russell to his own times. Gödel's "own book on foundations," as he called it, is essential reading for logicians and philosophers interested in foundations. Furthermore, it opens a new chapter to the life and achievement of one of the icons of 20th century science and philosophy.