

1. Record Nr.	UNINA9910455474703321
Autore	Feferman Solomon
Titolo	In the light of logic [[electronic resource] /] / Solomon Feferman
Pubbl/distr/stampa	New York, : Oxford University Press, c1998
ISBN	1-280-44330-8 9786610443307 0-19-535983-6 0-585-35829-X
Descrizione fisica	1 online resource (353 p.)
Collana	Logic and computation in philosophy
Disciplina	510.1 511.3
Soggetti	Logic, Symbolic and mathematical Mathematics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 309-330) and index.
Nota di contenuto	Contents; I: FOUNDATIONAL PROBLEMS; 1 Deciding the undecidable: Wrestling with Hilbert's problems; 2 Infinity in mathematics: Is Cantor necessary?; II: FOUNDATIONAL WAYS; 3 The logic of mathematical discovery versus the logical structure of mathematics; 4 Foundational ways; 5 Working foundations; III: GODEL; 6 Godel's life and work; 7 Kurt Godel: Conviction and caution; 8 Introductory note to Godel's 1933 lecture; IV: PROOF THEORY; 9 What does logic have to tell us about mathematical proofs?; 10 What rests on what? The proof-theoretic analysis of mathematics 11 Godel's Dialectica interpretation and its two-way stretchV: COUNTABLY REDUCIBLE MATHEMATICS; 12 Infinity in mathematics: Is Cantor necessary? (Conclusion); 13 Weyl vindicated: Das Kontinuum seventy years later; 14 Why a little bit goes a long way: Logical foundations of scientifically applicable mathematics; Symbols; References; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Z
Sommario/riassunto	This volume brings together a revised and annotated selection of Solomon Feferman's most important writings, covering the relation

between logic and mathematics, proof theory, objectivity and intentionality in mathematics, and key issues in the work of Godel, Hilbert and Turing.

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