

1. Record Nr.	UNINA9910814287503321
Autore	Feferman Solomon
Titolo	In the light of logic // Solomon Feferman
Pubbl/distr/stampa	New York, : Oxford University Press, c1998
ISBN	0-19-773058-2 1-280-44330-8 9786610443307 0-19-535983-6 0-585-35829-X
Edizione	[First edition.]
Descrizione fisica	1 online resource (353 pages)
Collana	Logic and computation in philosophy
Disciplina	510.1 511.3
Soggetti	Logic, Symbolic and mathematical Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 1998.
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, and objectivity and intentionality in mathematics.
