

1. Record Nr.	UNINA9910300632503321
Titolo	Introduction to Formal Philosophy [[electronic resource] /] / edited by Sven Ove Hansson, Vincent F. Hendricks
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-77434-4
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XX, 733 p. 531 illus.)
Collana	Springer Undergraduate Texts in Philosophy, , 2569-8737
Disciplina	001.42
Soggetti	Analysis (Philosophy) Mathematical logic Mathematical physics Ethics Analytic Philosophy Mathematical Logic and Formal Languages Mathematical Logic and Foundations Theoretical, Mathematical and Computational Physics Moral Philosophy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: The scope and methods of formal philosophy -- Chapter 1. Formalization (Sven Ove Hansson) -- Part II: Reasoning and inference -- Chapter 2. Non-monotonic reasoning (Alex Bochman) -- Chapter 3. Argument (Henry Prakken) -- Chapter 4. Induction (Rafal Urbaniak and Diderik Batens) -- Chapter 5. Bivalence and future contingency (François Rivenc, Carlo Proietti, and Gabriel Sandu) -- Chapter 6. Conditionals (John Cantwell) -- Chapter 7. Neural network models for conditionals (Hannes Leitgeb) -- Chapter 8. Proof theory (Jeremy Avigad) -- Chapter 9. Formal methods and the history of philosophy (Catarina Dutilh Novaes) -- Part III: Metaphysics and philosophy of language -- Chapter 10. Theory of concepts (Erich Rast) -- Chapter 11. Categories (Jean-Pierre Marquis) -- Chapter 12. Necessity and possibility (Melvin Fitting) -- Chapter 13. Reference and denotation (Robert van Rooy) -- Chapter 14. Indexicals (Philippe Schlenker) --

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Sommario/riassunto

This Undergraduate Textbook introduces key methods and examines the major areas of philosophy in which formal methods play pivotal roles. Coverage begins with a thorough introduction to formalization and to the advantages and pitfalls of formal methods in philosophy. The ensuing chapters show how to use formal methods in a wide range of areas. Throughout, the contributors clarify the relationships and interdependencies between formal and informal notions and constructions. Their main focus is to show how formal treatments of philosophical problems may help us understand them better. Formal methods can be used to solve problems but also to express new philosophical problems that would never have seen the light of day without the expressive power of the formal apparatus. Formal philosophy merges work in different areas of philosophy as well as logic, mathematics, computer science, linguistics, physics, psychology, biology, economics, political theory, and sociology. This title offers an accessible introduction to this new interdisciplinary research area to a wide academic audience.
