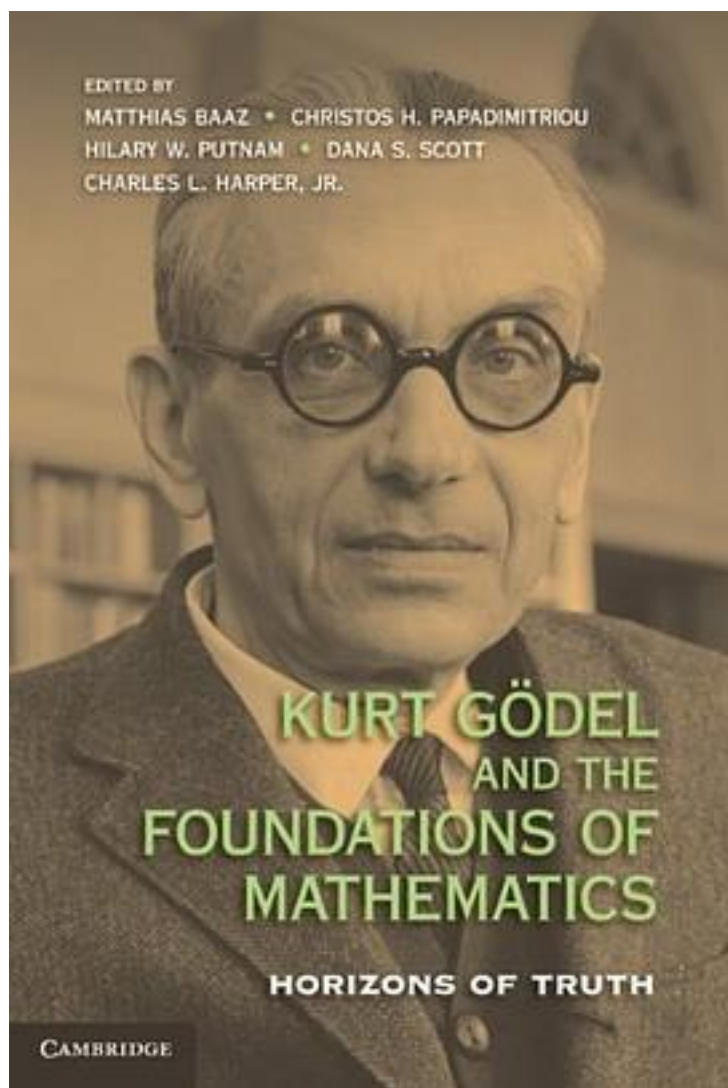


# Kurt Godel and the Foundations of Mathematics



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出版者:Cambridge University Press

出版时间:2011-6

装帧:

isbn:9780521761444

This 2011 volume commemorates the life, work and foundational views of Kurt Godel (1906-78), most famous for his hallmark works on the completeness of first-order logic, the incompleteness of number theory, and the consistency - with the other widely accepted axioms of set theory - of the axiom of choice and of the generalized continuum hypothesis. It explores current research, advances and ideas for future directions not only in the foundations of mathematics and logic, but also in the fields of computer science, artificial intelligence, physics, cosmology, philosophy, theology and the history of science. The discussion is supplemented by personal reflections from several scholars who knew Godel personally, providing some interesting insights into his life. By putting his ideas and life's work into the context of current thinking and perceptions, this book will extend the impact of Godel's fundamental work in mathematics, logic, philosophy and other disciplines for future generations of researchers.

作者介绍:

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