



Effective Mathematics of the Uncountable (Hardback)

By -

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2013. Hardback. Condition: New. Language: English . Brand New Book. Classical computable model theory is most naturally concerned with countable domains. There are, however, several methods - some old, some new - that have extended its basic concepts to uncountable structures. Unlike in the classical case, however, no single dominant approach has emerged, and different methods reveal different aspects of the computable content of uncountable mathematics. This book contains introductions to eight major approaches to computable uncountable mathematics: descriptive set theory; infinite time Turing machines; Blum-Shub-Smale computability; Sigma-definability; computability theory on admissible ordinals; E-recursion theory; local computability; and uncountable reverse mathematics. This book provides an authoritative and multifaceted introduction to this exciting new area of research that is still in its early stages. It is ideal as both an introductory text for graduate and advanced undergraduate students and a source of interesting new approaches for researchers in computability theory and related areas.



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Reviews

It is great and fantastic. Better than never, though i am quite late in start reading this one. Your life period will likely be transform once you comprehensive reading this book.

-- **Blanca Davis**

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-- **Prof. Dan Windler MD**