



Modal Logic for Open Minds (Lecture Notes)

By Johan van Benthem

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In *Modal Logic for Open Minds*, Johan van Benthem provides an up-to-date introduction to the field of modal logic, outlining its major ideas and exploring the numerous ways in which various academic fields have adopted it. Van Benthem begins with the basic theories of modal logic, semantics, bisimulation, and axiomatics, and also covers more advanced topics, such as expressive power and computational complexity. The book then moves to a wide range of applications, including new developments in information flow, intelligent agency, and games. Taken together, the chapters show modal logic at the crossroads of philosophy, mathematics, linguistics, computer science, and economics. Most of the chapters are followed by exercises, making this volume ideal for undergraduate and graduate students in philosophy, computer science, symbolic systems, cognitive science, and linguistics.

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Editorial Review

About the Author

Johan van Benthem is University Professor of pure and applied logic at the University of Amsterdam, the Henry Waldgrave Stuart Professor of Philosophy at Stanford University, and the Weilun Visiting Professor of Humanities at Tsinghua University in Beijing.

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