CSLI Lecture Notes Number 199

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 notions of modal language, 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 cross-roads 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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