



The age of alternative logics [Assessing Philosophy of Logic and Mathematics Today /

Benthem, Johan

Springer,
2006

Electronic books

Monografía

In the last century developments in mathematics, philosophy, physics, computer science, economics and linguistics have proven important for the development of logic. There has been an influx of new ideas, concerns, and logical systems reflecting a great variety of reasoning tasks in the sciences. This volume reflects the multi-dimensional nature of the interplay between logic and science. It presents contributions from the world's leading scholars under the following headings: - Proof, Knowledge and Computation - Truth Values beyond Bivalence - Category-Theoretic Structures - Independence, Evaluation Games, and Imperfect Information - Dialogue and Pragmatics The contents exemplify the liveliness of modern perspectives on the philosophy of logic and mathematics and demonstrate the growth of the discipline. It describes new trends, possible developments for research and new issues not normally raised in the standard agenda of the philosophy of logic and mathematics. It transforms rigid classical partitions into a more open field for improvisation

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Título: The age of alternative logics [electronic resource] Assessing Philosophy of Logic and Mathematics Today edited by Johan Benthem ... [et al.].

Editorial: Dordrecht Springer 2006

Descripción física: 1 online resource (338 p.)

Mención de serie: Logic, Epistemology, and the Unity of Science v.3

Nota general: Description based upon print version of record

Contenido: From the contents Acknowledgments -- Part I Proof, Knowledge and Computation -- Part II Truth Values Beyond Bivalence -- Part III Category-Theoretic Structures -- Part IV Independence, Evaluation Games and Imperfect Information -- Part V Dialogue and Pragmatics -- Part VI Appendices. Index

Lengua: English

ISBN: 1-280-63480-4 9786610634804 1-4020-5012-7 1-4294-1865-6

Materia: Logic, Symbolic and mathematical Mathematics- Philosophy Proof theory Categories (Philosophy)

Autores: Benthem, Johan

Enlace a formato físico adicional: 1-4020-5011-9

Punto acceso adicional serie-Título: Logic, Epistemology, and the Unity of Science

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es