

Studies
in Logic

Logic and Cognitive Systems

Series Editors: D. Gabbay, J. Siekmann,
J. van Benthem and J. Woods

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Paraconsistent logics are logics which allow solid deductive reasoning under contradictions by offering a mathematical and philosophical support to contradictory yet non-trivial theories.

Due to its role in models of scientific reasoning and to its philosophical implications, as well as to its connections to topics such as abduction, automated reasoning, logic programming, and belief revision, paraconsistency has become a fast growing area.

During the III World Congress on Paraconsistency (WCP3) held in Toulouse, France, in July, 2003, it became apparent tht there is a need for a Handbook covering the most recent results on several aspects of paraconsistent logic, including philosophical debates on paraconsistency and its connections to philosophy of language, argumentation theory, computer science, information theory, and artificial intelligence,

This book is a basic tool for those who want to know more about paraconsistent logic, its history and philosophy, the various systems of paraconsistent logic and their applications.

The present volume is edited by Jean-Yves Béziau, Walter Carnielli and Dov Gabbay, expert logicians versed in a wide variety of logics.

Handbook of Paraconsistency

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