



Second-order Quantifier Elimination: Foundations, Computational Aspects and Applications

By Dov Gabbay, Renate A. Schmidt, Andrzej Szalas

College Publications, United Kingdom, 2008. Paperback. Book Condition: New. 231 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.In recent years there has been an increasing use of logical methods and significant new developments have been spawned in several areas of computer science, ranging from artificial intelligence and software engineering to agent-based systems and the semantic web. In the investigation and application of logical methods there is a tension between: * the need for a representational language strong enough to express domain knowledge of a particular application, and the need for a logical formalism general enough to unify several reasoning facilities relevant to the application, on the one hand, and * the need to enable computationally feasible reasoning facilities, on the other hand. Second-order logics are very expressive and allow us to represent domain knowledge with ease, but there is a high price to pay for the expressiveness. Most second-order logics are incomplete and highly undecidable. It is the quantifiers which bind relation symbols that make second-order logics computationally unfriendly. It is therefore desirable to eliminate these second-order quantifiers, when this is mathematically possible; and often it is. If second-order quantifiers are eliminable we want...

DOWNLOAD



READ ONLINE
[2.55 MB]

Reviews

Completely one of the better pdf I have got possibly go through. I really could comprehend every little thing using this composed e ebook. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Torey Kreiger**

This book is definitely not effortless to start on reading through but extremely fun to learn. Better then never, though i am quite late in start reading this one. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Aliya Franecki**