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Set Theory For Computing: From Decision Procedures To Declarative Programming With Sets (Monographs In Computer Science)



Synopsis

An up-to-date and comprehensive account of set-oriented symbolic manipulation and automated reasoning methods. This book is of interest to graduates and researchers in theoretical computer science and computational logic and automated reasoning.

Book Information

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Customer Reviews

From the reviews: "The book is an up-to-date and well-organized collection of techniques and results concerning the problem of dealing with sets in computer science. | In particular, the book can be very interesting for postgraduate students and researchers in computer science and logic. | The book is largely self-contained and the style of presentation is extremely rigorous and accurate. ... this will become a sort of classic work for automated deduction and declarative programming and surely it deserves to find a place in all scientific libraries." (A. Dovier, Theory and Practise of Logic Programming, Vol. 3 (1), 2003) "Set theory has played the role of a lingua franca for modern mathematics. The authors of this monograph intend to extend this service to computer science, artificial intelligence, and computational mathematics. | Several variants of ZF, which are meant for different applications, are surveyed and concrete, computable models are investigated. | There is an extensive list of references, an index of symbols and an index of terms." (J.M. Plotkin, Zentralblatt MATH, Vol. 981, 2002)

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