Temporal Logic: Mathematical Foundations and Computational Aspects, Volume 2, Dov M. Gabbay, Mark A. Reynolds, Marcelo Finger, Clarendon Press, 2000, 0198537689, 9780198537687, 612 pages. This is the second volume in a series of well-respected works in temporal science and is by the same authors as the first. Volume one dealt primarily with basic concepts and methods, volume two discusses the more applicable aspects of temporal logics. The first four chapters continue the more theoretical presentations from volume one, covering automata, branching time and labelled deduction. The rest of the book is devoted to discussions of temporal databases, temporal execution and programming, actions and planning. With its inclusion of cutting-edge results and unifying methodologies, this book, and its companion are an indispensable reference for both the pure logician and the theoretical computer scientist..

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Handbook of Logic in Computer Science: Volume 2. Background: Computational Structures, S. Abramsky, Dov M. Gabbay, Thomas S. E. Maibaum, Dec 10, 1992, Computers, 582 pages. Part of a multi-volume work that has been designed to cover all major areas of the application of logic to theoretical computer science, this book explores term rewriting ....

Topology Via Logic, Steven Vickers, Aug 22, 1996, Computers, 200 pages. This is an advanced textbook on topology for computer scientists. It is based on a course given by the author to postgraduate students of computer science at Imperial College.

The imperative future principles of executable temporal logic, Howard Barringer, 1996, 239 pages.

Extensions of First Order Logic, María Manzano, 1996, Mathematics, 388 pages. This book introduces some extensions of classical first-order logic and applies them to reasoning about computer programs. The extensions considered are: second-order logic ....

The Incompleteness Phenomenon A New Course in Mathematical Logic, Martin Goldstern, Haim Judah, 1998, 247 pages. The authors have written an introduction to logic taking Gödel's incompleteness theorem as a starting point. The book should interest everyone from mathematicians to ....


Temporal logics and their applications, Antony Galton, 1987, 244 pages. FROM THE PREFACE: This book has risen from a conference on Temporal Logic and Its Applications held at the University of Leeds in January 1986, under the auspices of the then ....