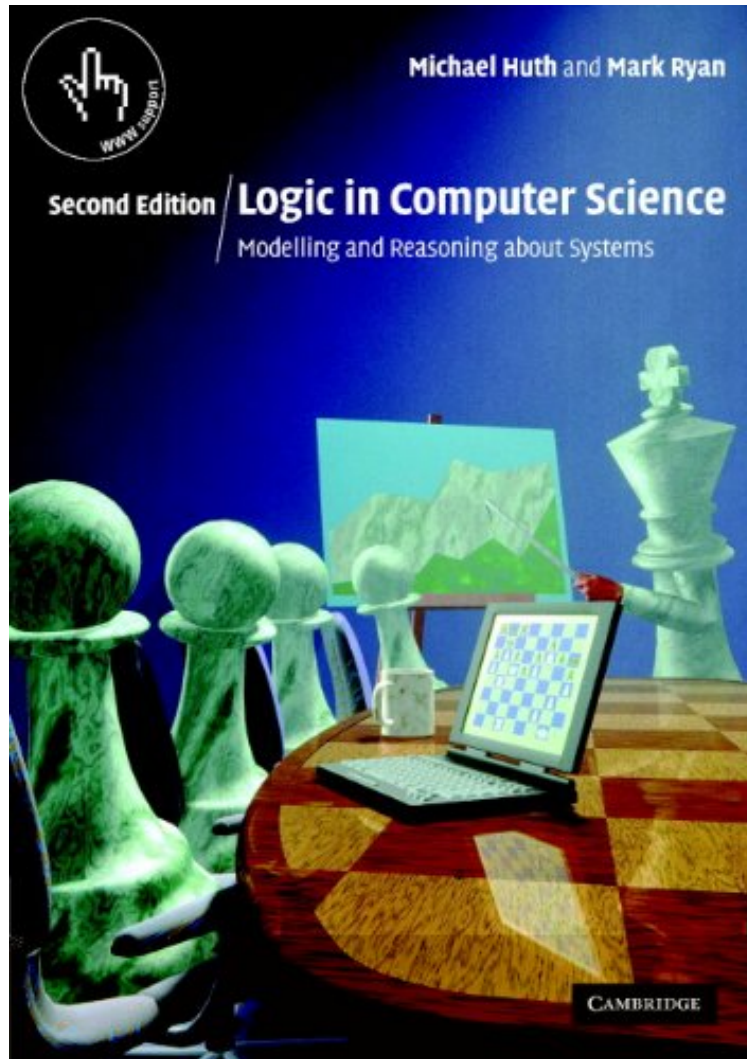


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Logic in Computer Science: Modelling and Reasoning about Systems

Von Michael Huth, Mark Ryan

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Von Michael Huth, Mark Ryan : Logic in Computer Science: Modelling and Reasoning about Systems before purchasing it in order to gage whether or not it would be worth my time, and all praised Logic in Computer Science: Modelling and Reasoning about Systems:

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Hervorragendes BuchVon WaldemarEin sehr gutes Buch zum Thema Logik.Ich selbst habe es als Hauptquelle in Master Seminar genutzt.Meiner Meinung nach das beste Buch um Modal- und Multi-Modal-Logiken zu verstehen.Nicht-Normale-Modal-Logiken werden nicht behandelt.Sehr gut finde ich es den Weg ber das Logik

Engineering, also das gezielte Erstellen von Logiken, zu gehen. Wer sich tiefer mit dem Thema befassen möchte wird andere Bücher brauchen. Wahrscheinlich auch solche die direkt auf die spezielle Modal-Logik ausgerichtet, die behandelt werden soll. Wer jedoch eine Einführung in dieses Thema sucht wird meiner Meinung nach aktuell kein besseres Buch finden. 5 von 10 Kunden fanden die folgende Rezension hilfreich. TOP ! Von Ein Kunde Eine wunderbare Einführung in die nicht unkomplexe Welt der Logik. Sehr locker geschrieben und mit vielen Beispielen die das Verständnis entscheidend erleichtern. Absolute Kaufempfehlung für Studenten die sich mit dieser Thematik etwas schwer tun.

Kurzbeschreibung Recent years have seen the development of powerful tools for verifying hardware and software systems, as companies worldwide realise the need for improved means of validating their products. There is increasing demand for training in basic methods in formal reasoning so that students can gain proficiency in logic-based verification methods. The second edition of this successful textbook addresses both those requirements, by continuing to provide a clear introduction to formal reasoning which is both relevant to the needs of modern computer science and rigorous enough for practical application. Improvements to the first edition have been made throughout, with extra and expanded sections on SAT solvers, existential/universal second-order logic, micro-models, programming by contract and total correctness. The coverage of model-checking has been substantially updated. Further exercises have been added. Internet support for the book includes worked solutions for all exercises for teachers, and model solutions to some exercises for students.

Pressestimmen "This is an excellent textbook on logic and formal methods which is very suitable for computer science students discusses the whole range from logic to applications: propositional and predicate logic, temporal logic and more generally model logic, program verification, model checking, and symbolic model checking using binary decision diagrams As any good textbook, this book is not only to be recommended for students but for anyone who is interested in applications of logic in computer science." 'Theory and Practice of Logic Programming' an unusual, inspiring and remarkable book one can find in it all the material which is suitable for undergraduate and beginning graduate students in computer science and electrical engineering who will profit by using it in their professional activities in the near future.' Marat M. Arslanov, Zentralblatt MATH

über das Produkt This is a sound introduction to logic and the logical frameworks used in modelling, specifying and verifying computer systems. It provides a simple and clear presentation of a carefully chosen core of essential terminology: further technicalities are introduced only where they are required by the applications. Numerous examples are given, and web support is available from <http://www.cs.bham.ac.uk/research/lics>.