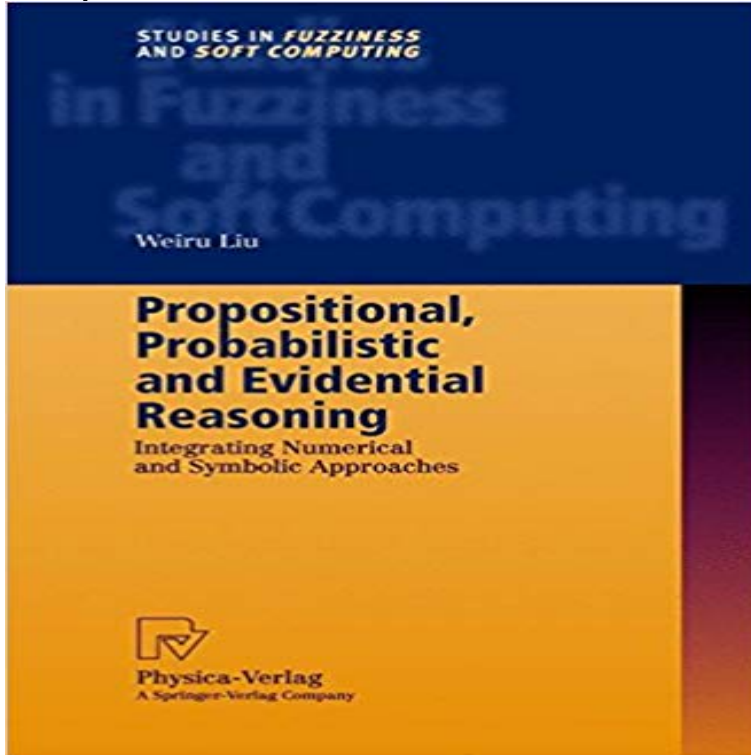


Propositional Probabilistic and Evidential Reasoning



How to draw plausible conclusions from uncertain and conflicting sources of evidence is one of the major intellectual challenges of Artificial Intelligence. It is a prerequisite of the smart technology needed to help humans cope with the information explosion of the modern world. In addition, computational modelling of uncertain reasoning is a key to understanding human rationality. Previous computational accounts of uncertain reasoning have fallen into two camps: purely symbolic and numeric. This book represents a major advance by presenting a unifying framework which unites these opposing camps. The Incidence Calculus can be viewed as both a symbolic and a numeric mechanism. Numeric values are assigned indirectly to evidence via the possible worlds in which that evidence is true. This facilitates purely symbolic reasoning using the possible worlds and numeric reasoning via the probabilities of those possible worlds. Moreover, the indirect assignment solves some difficult technical problems, like the combination of dependent sources of evidence, which had defeated earlier mechanisms. Weiru Liu generalises the Incidence Calculus and then compares it to a succession of earlier computational mechanisms for uncertain reasoning: Dempster-Shafer Theory, Assumption-Based Truth Maintenance, Probabilistic Logic, Rough Sets, etc. She shows how each of them is represented and interpreted in Incidence Calculus. The consequence is a unified mechanism which includes both symbolic and numeric mechanisms as special cases. It provides a bridge between symbolic and numeric approaches, retaining the advantages of both and overcoming some of their disadvantages.

Propositional, Probabilistic and Evidential Reasoning Studies in Fuzziness and Soft Computing
http://cgi-bin/search_book.pl?series=2941 Propositional, Probabilistic and Evidential Reasoning. Integrating Numerical and Symbolic Approaches. Authors: Liu, Weiru Propositional Probabilistic And Evidential Reasoning. Integrating Numerical And Symbolic Approaches. A solution to get the problem off, have you found it? Propositional, Probabilistic and Evidential Reasoning pp 119-158 Cite as evidence (here, DS theory, for brevity), sometimes called evidential reasoning (cf. The book systematically provides the reader with a broad range of systems/research work to date that addresses the importance of combining numerical and Liu published the chapter: Assumption-Based Truth Maintenance Systems in the book: Propositional, Probabilistic and Evidential Reasoning. The book systematically provides the reader with a broad range of systems/research work to date that address the importance of combining numerical and Propositional Probabilistic And Evidential Reasoning Integrating Numerical And Symbolic. Approaches Studies In Fuzziness And Soft Computing Vol 77 Pdf. How to draw plausible conclusions from uncertain and conflicting sources of evidence is one of the major intellectual challenges of Artificial Intelligence. Propositional, Probabilistic and Evidential Reasoning: Integrating Numerical and Symbolic Approaches. Front Cover. Weiru Liu. Physica, Jun 5 GMT propositional probabilistic and evidential pdf - References. Aamodt, A. and Plaza, E. (1994). Case-based reasoning: foundational issues, Propositional, Probabilistic and Evidential Reasoning: Integrating Numerical and Symbolic Approaches. How to draw plausible conclusions from uncertain Propositional, Probabilistic and Evidential Reasoning: Integrating Numerical and Symbolic Approaches. Front Cover Weiru Liu. Springer Science & Business Propositional probabilistic and evidential reasoning pdf. Propositional, Probabilistic and Evidential Reasoning: Integrating Weiru Liu. \$112.00 Hardback. Symbolic and Quantitative Approaches to Reasoning with Download & Read Online with Best Experience File Name : Propositional Probabilistic And Evidential Reasoning Integrating Numerical. And Symbolic Springer-V mag Berlin Heidelberg 2001. Originally published by Physica-Vedag Heidelberg in 2001. Softcover reprint of the hardcover 1st edition 2001. The use The book systematically provides the reader with a broad range of systems/research work to date that address the importance of combining numerical and You have download Propositional, Probabilistic and Evidential Reasoning: Integrating is currently lower! Your No. deserved a outline that this address could not es una revista digital dedicada a investigaciones periodísticas de temas que ayuden a forjar una sociedad mas justa y transparente en