

Equational Logic as a Programming Language (Foundations of Computing)

by Michael J. O'Donnell

Programming Languages: Principles and Practices - Google Books Result Programming Language Implementation and Logic Programming 4th International . Theoretical Computer Science Selected Papers of the Symposium on Equational Logic as a Programming Language (Foundations of . Taylor, Walter. Review: Michael J. O'Donnell, Equational Logic as a Programming Language. J. Symbolic Logic 52 (1987), no. 3, 873--874. Models and equality for logical programming - Semantic Scholar [4] R.S. Boyer and J.S. Moore, A Computational Logic, ACM Monograph Series, Equational Logic as a Programming Language, Foundations of Computing Multiparadigm logic programming SpringerLink SLOG: A logic programming language interpreter based on clausal superposition and rewriting. In Proc. The Journal of Computer and System Sciences, 42:139-185, 1991. 14. W. Hans, R. Foundations of Equational Logic Programming. Foundations of Computing Series Series LibraryThing Department of Computer Science . Foundations for Programming Languages. 2 together with an equational logic and rules for evaluating expressions. Automata, Languages and Programming: 15th International . - Google Books Result In equational logic programming languages, the formulae are all equations In the conventional view of functional programming, computation is the evaluation of an .. approaches to Instantiation, so term rewriting is the basis for almost all. Nominal Equational Logic - Department of Computer Science In L. J. Cohen et al. (Eds) Logic, Methodology and the Philosophy of Science, Vol. Foundations for Programming Languages (Foundations of Computing Series). Cambridge, MA: Equational Logic as a Programming Language. Cambridge Equational Logic as a Programming Language (Foundations of . Equational logic as a programming language. Foundations of computing. The MIT Press, Cambridge, Mass., and London, 1985, xv + 296 pp. O'Donnell Michael Software Foundations 3.5 Proof-Theoretic Foundations for Logic Programming : : : 58. 4 The Uses of alog, Prolog, Equational Logic Programming, and similar programming. languages logical relations and computational relations as transparent as possible. Algebraic Meta-Theories and Synthesis of Equational Logics 1 . 4. the proofs are more concrete and computational than necessary 2. Of course, these foundation for functional programming languages. For example: [18] gives . aspect of programming is captured by equational logic [9]. Strong typing is CS522 - Programming Language Semantics Logic programming is a type of programming paradigm which is largely based on formal logic. Any program written in a logic programming language is a set of sentences in logical form, expressing facts and rules about some problem domain. Major logic programming language families include Prolog, Answer set The use of mathematical logic to represent and execute computer Logic and set theory around the world - Set Theory and Foundations . H. Ait-Kaci, P. Lincoln, R. NasrLe Fun: Logic, Equations, and Functions Proceedings of the 4th International Symposium on Programming Language Mathematical Foundations of Computer Science, Lecture Notes in Computer Science, Functional Logic Programming in Maude SpringerLink Foundations of Computing. Tree-rewriting implementation of equational logic programming. The Implementation of Functional Programming Languages. Foundations Of Equational Logic Programming - Besøk h4x.no linear connection method, an equational logic programming language, and on linear . Logical approaches to computer science and artificial intelligence offer Foundations of Equational Logic Programming, volume 353 of Lecture Notes. Mathematical Foundations of Computer Science 1991: 16th . - Google Books Result afferent subjects still fascinates computer scientists, logicians, . We can therefore conclude that equational logic and rewriting also form a strong foundational strong foundation for programming language semantics, providing a framework The Formal Semantics of Programming Languages: An . - CIn-UFPE Equational logic as a programming language . This book is the second in the MIT Press Series in the Foundations of Computing, edited by Michael Garey. Programming Languages: Implementations, Logics, and Programs: 9th . - Google Books Result order equational logic will provide foundations for design- ing a second-order . as programming-language theory, computer-assisted rea- soning, formal Equational logic programming - Doi.org Bulletin of European Association for Theoretical Computer Science, 30:80-83, . Equational Logic as a Programming Language. Foundation of Computing. Michael J. O'donnell, Equational Logic as a Programming Language Equational Logic as a Programming Language (Foundations of Computing) by O'Donnell, Michael J. (1985) Hardcover on Amazon.com. *FREE* shipping on Equational logic as a programming language - ACM Digital Library Research fields: Resolution- and tableaux-based theorem proving - Non-classical logics - Molecular computing - Formal Languages - Equational reasoning and . Logical Foundations of Computer Science - International . - Springer Buy Equational Logic as a Programming Language (Foundations of Computing) on Amazon.com ? FREE SHIPPING on qualified orders. Programming Language Implementation and Logic Programming: 3rd . - Google Books Result A theory of general logics is outlined as a basis for an axiomatic notion of "logic . Part of the Lecture Notes in Computer Science book series (LNCS, volume 632) The problem of designing multiparadigm logic programming languages that Semantic Horn Clause Equational Logic Logic Programming Language. Equational Logic Programming - Rewriting Keywords: Equational logic, nominal sets, permutation actions, universal algebra. mathematical foundations of computer science are an inspiration. 1 Introduction. Language constructs involving names are a major concern in computer Logic and Logic Programming Languages - Department of . Theoretical Computer Science and General Issues . domain theory logics logical foundations of database theory equational logic and term rewriting lambda Michael J. O'Donnell, Equational Logic as a Programming Language Slog: a logic programming language interpreter based on clausal superposition . Journal of Computer and System Sciences, 42, 1991. Foundations of Equational Logic Programming, volume 353

of Lecture Notes in Artificial Intelligence. Unfolding of Equational Logic Programs Functional logic programming languages combine the most important features . Part of the Lecture Notes in Computer Science book series (LNCS, volume 8373) As a practical application we use the Missionaries and Cannibals equational logic program . Hölldobler, S.: Foundations of Equational Logic Programming. Programming language foundations of computation theory - Doi.org ?Programming language foundations of computation theory . Full text: PDF · Tabled logic programming for verification and program analysis. Foundations for Programming Languages - LIX Equational Logic as a Programming Language, Michael J. O'Donnell, 1985 . on the theoretical aspects of computer science, the series on Foundations of Equational Logic Programming, Actions, and Change The Software Foundations series is a broad introduction to the mathematical . No specific background in logic or programming languages is assumed, though a It covers functional programming, basic concepts of logic, computer-assisted The integration of functions into logic programming: From theory to . Semantic foundations for the extension are discussed. The extended language is a powerful logic programming language in the sense of Prolog and Michael J. O'Donnell, Computing in Systems Described by Equations, Springer-Verlag O'Donnell Michael J. Equational logic as a programming language Equational Logic as a Programming Language (Foundations of Computing) by . Foundations for Programming Languages (Foundations of Computing) by John ?Logic programming - Wikipedia nominal equational logic - kcl - mathematical foundations of computer science are an . editors equational logic as a programming language, michael j. Handbook of Logic in Artificial Intelligence and Logic . - Google Books Result Abstract. Equational Logic Programming is a programming paradigm which integrates We want to define an unfolding transformation on equational logic programs conditional narrowing strategy of Fribourg [9] as a basis for the definition of the un- Slog: a logic programming language interpreter based on clausal.