

Declarative programming

Associated with the deductive database structure is the declarative programming approach, in which data are grouped by properties. Controversially, the object-oriented database architecture uses imperative programming, and data are grouped by properties.

Controversially, the object-oriented database architecture uses imperative programming, and data are grouped by objects. Kifer and co-workers [10] presented a criteria for classifying future database prototypes. In this classification, the prototypes Pascal-R and GLUE represent imperative and relational approaches. The deductive object-oriented database architecture, such as F-logic, O-logic, and C-logic, stands between object-oriented and deductive database architectures. It utilizes declarative programming, grouping data by objects.

Based on Kifer's point of view, "pure object-oriented relational languages are not flexible enough; some knowledge is naturally imperative whereas some is naturally declarative."

Deductive And Declarative Programming

Peter Padawitz



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Вычислительные Машины И Искусственный Интеллект ,1994

Rules in Database Systems Andreas Geppert, 1997-08-22 This book constitutes the strictly refereed post workshop proceedings of the Third International Workshop on Rules in Database Systems RIDS 97 held in Sk vde June 1997 The 13 revised papers presented in the book were carefully reviewed and selected from 33 submissions The book documents the state of the art in the area The papers are devoted to deductive databases active database systems architectures events in workflow management rule modelling and simulation rule confluence rule termination analysis rule testing and validation active database systems design

Proceedings of the Workshop on Programming with Logic Databases Raghu Ramakrishnan, 1993 Abstract An increasing number of deductive systems are now either available or becoming available e g Aditi CORAL EKS LDL LOGRES LOLA NAIL Glue RDL XSB The workshop schedule features twelve papers describing a range of applications and demo presentations of several implemented systems The proceedings contain all presented papers and short demo descriptions The papers are in order of presentation followed by demo descriptions included are descriptions of two demos that are not on the presentation schedule

Principles and Practice of Declarative Programming Gopalan Nadathur, 2006-12-29 This book constitutes the refereed proceedings of the International Conference on Principles and Practice of Declarative Programming PPDP 99 held in Paris France in September October 1999 The 22 revised full papers presented together with three invited contributions were carefully reviewed and selected from a total of 52 full length papers submitted Among the topics covered are type theory logics and logical methods in understanding defining integrating and extending programming paradigms such as functional logic object oriented constraint and concurrent programming support for modularity the use of logics in the design of program development tools and development and implementation methods

Logic Programming Saumya Debray, Manuel Hermenegildo, 1990 OCTOBER 29 NOVEMBER 1 1990 AUSTIN TEXAS OCTOBER 29 NOVEMBER 1 1990 AUSTIN TEXAS Theory and Foundations Metaprogramming Constraints Implementations Architecture Deductive Databases Language Issues Relation to Other Paradigms Parallelism Concurrency Compilation Techniques Applications

Computers and Artificial Intelligence ,1994

Seventh International Workshop on Database and Expert Systems Applications Roland R. Wagner, 1996

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