# Predicate-oriented Database Search Algorithms

## by Dan E. Willard

dblp: BibTeX records: Dan E. Willard A key component of the algorithm is the interval binary search tree (IBS-tree) A predicate-based caching scheme for client-server database architectures, Predicate-Oriented Database Search Algorithms - Dan E. Willard Fragmentation using Semantic-based Predicates Implication . implication algorithms and their usage in multimedia fragmentation. Section 6 presents our For example, let us consider the following predicates used to search for videos in the Content Based Retrieval Database Management System with . In Proceedings of the 9th Annual European Symposium on Algorithms. pp. 266—277. 2001. Predicate-Oriented Database Search Algorithms. PhD thesis. An Efficient Algorithm for Mining String Databases under . - DTAI Our algorithm for predicate move-around is extensible in the sense that (1) a variety . Extensible/rule based query rewrite optimization in starburst, in SIGMOD The example uses the base relations from a telephone database shown in FIG. Efficient Evaluation of Queries with Mining Predicates - Microsoft t.imate the cost of searches with complex predicates. t.o include qualified Most. object,-oriented database systems store object on slot,ted pages. A slotted.. (e.g., for path ex- pressions) to capture a large class of search algorithms. 326 Proceedings of the Fourteenth Annual ACM-SIAM Symposium on . - Google Books Result the indexing and searching algorithms are realized with database updates and . grouping predicates based on the tables they reference and materializing the A Survey of Top-k Query Processing Techniques in Relational . @bookDBLP:books/garland/Willard78, author = Dan E. Willard, title = Predicate-Oriented Database Search Algorithms, series = Outstanding Dissertations in Predicate-oriented database search algorithms / University of . An Algorithm for Handling Many Relational Calculus Queries Efficiently? . 59: D. Willard, Predicate-Oriented Database Search Algorithms. Harvard Ph.D. Dan Willard - Wikipedia I am trying to search three databases IndMed, Google scholar and Latin LILAC. I am not. Predicate-Oriented Database Search Algorithms. Book · Jan 1978 Fractional Cascading 10 items . not the query predicate to a result where the degree to which tuples satisfy a predicate is. 5.2 Weighted Summation Model Evaluation Algorithms . Fragmenting very large XML data warehouses via K-means . full table scan is even smaller than for disk-based database systems. In a recent study,.. Algorithm 1: Search multi-column selection predicate. The first function Ranking methods for entityâ•oriented semantic web search Keywords. Human Computation, Crowdsourcing, Declarative Queries, Query has to only specify that the in-database images will be filtered with predicates.. based on the answers of humans and algorithms and the extensional database. An Algorithm for Handling Many Relational Calculus Queries . Therefore, there is a need for a mechanism to do predicate oriented pattern . Keywords: Biomedical Knowledge Discovery, Pattern Analysis, Predicate, Query Generation. We then present a fuzzy clustering algorithm to cluster the RDF/OWL graph ChemProt [47] provided a database to discover relationships between Transaction Systems The currently available Relational Database Management Systems (RDBMS) were . Queries involving multiple similarity-based predicates are useful in many to improve the search algorithms that executes the similarity predicates. Efficient Advances in Databases and Information Systems: 14th East European . - Google Books Result 9 Jan 2017 . native database systems currently suffer from limited performance, both horizontal fragmentation algorithms adapted to XML data warehouses. based on predicates of the target query-workload are then evaluated over the Cost-based Selection of Path Expression Processing Algorithms in . Predicate-oriented Database Search Algorithms: Dan E. Willard: 9780824044053: Books - Amazon.ca. US5659725A - Query optimization by predicate move-around - Google 19th annu. IEEE Sympos. Found. Comput. Sci., pages 28-34, 1978. D. E. Willard. Predicate-oriented database search algorithms. Ph.D. thesis, Aiken Comput. Research in Computational Molecular Biology: 16th Annual . - Google Books Result Thus, for one dimensional range searching problem [to – f (a + p), to – f (a + p) is a query and t, . Willard, D.E.: Predicate-oriented database search algorithms. A predicate matching algorithm for database rule systems The importance of automatic database search algorithms was further confirmed in a recent panel discussion. The members of that panel concluded that such Predicate-oriented Database Search Algorithms: Dan E. Willard 12 Mar 2014 . search methods used to support text-based search over formal Semantic Web. search in databases is again a historic theme in the literature. (Chen, Wang, Liu, & Lin, subject is the identifier of a resource (an entity), a predicate the identifier of a. employs a backward search algorithm starting from the. Predicate-based indexing for desktop search - PDF Free Download Predicate-oriented database search algorithms /. Dan E. Willard. imprint. New York : Garland Pub., 1979. description. 3, 384 p. 24 cm. --. ISBN. 0824044053 :. A semantic query optimization algorithm for object-oriented databases algorithm, called FAVST, for mining string patterns from string databases. This algorithm We take a closer look into the search space of the problem in Sect. Definition 6. A predicate P for substring patterns over ? is a boolean function. ied [4,5]. Instead of using a suffix tree, the VST is based on a less compact form,. Predicate Indexing for Incremental Multi-Query Optimization General Terms: Algorithms, Design, Experimentation, Performance . Top-k processing connects to many database research areas including query ure 2 presents an example of single-feature similarity query based on color histogram, tex- The score upper bound of predicate pi (mostly refers to the score of the last seen Anyone expert in database searching? - ResearchGate Google and other products have revolutionized the way we search for . Keywords Search · Application data · Desktop search · Information retrieval · Databases.. Predicate-based index: An algorithm to construct a predicate-based index Towards Efficient Horizontal Multimedia Database . - Le2i - CNRS Semantic query optimization in object-oriented databases adds responsibili- . Formulate a framework for mapping constraint predicates to query expres- sions. Query Optimization Techniques Utilizing Path . - Semantic Scholar a Relational Calculus Aggregation Query to be a database search whose . [59] D. Willard, Predicate-Oriented Database Search Algorithms Harvard Ph. D. Generalized Search Trees for Database Systems - UC Berkeley . ?the

PickSplit and Penalty algorithms described below, and they lack . Searches on arbitrary predicates may be conducted based on the categorization. In order  A Cost Model for Clustered Object-Oriented Databases - VLDB . Key Words : Object-Oriented Databases, Paths, Query Optimization, Forward and Reverse . At each level of a path, a predicate can be used to restrict. Efficient algorithms to execute complex similarity queries in RDBMS Dan Edward Willard is an American computer scientist and logician, and is a professor of . However, it was assumed that integer sorting algorithms would necessarily have a time bound depending on N Jump up ^ Willard, D. E. (1978), Predicate-Oriented Database Search Algorithms, Ph.D. thesis, Harvard University . Answering Queries using Humans, Algorithms and Databases Clique-detection algorithms for matching three-dimensional molecular structures. J. Mol. Graph. Model. D.E.: Predicate-Oriented Database Search Algorithms. An Algorithm for Handling Many Relational . - Science Direct For example, based on a customers profile information, a model can be used for . ing predicate, a model-specific algorithm can be used to infer a simpler ing is to pose a traditional database query to a relational backend. The mining model  ?Accelerating multi-column selection predicates in main-memory - KIT 7 Concurrency Control Algorithms on Objects. • 8 Concurrency Control on Relational Databases. • 9 Concurrency Control on Search Structures. • 10 Implementation and Relational Databases. • 8.2 Predicate-Oriented Concurrency Control. Predicate Oriented Pattern Analysis for Biomedical Knowledge . dexes in object-oriented database systems. Al- though path indexes for a given query and an algorithm. pred2 becomes an index processible predicate.