Reasoning about XML with Temporal Logics and Automata PDF ABSTRACT Motivated by reasoning tasks in the context of XML lan-
guages, the satisfiability problem of logics on data trees is investigated. The nodes of Logics for XML: Reasoning about Trees: Pierre Geneves . B ?orklund, H., Bojanczyk, M.: Bounded depth data trees. M., Musholl, A., Schwentick, T., Segoufin, L.: Two-variable logic on data trees and XML reasoning. A Counting Logic for Trees - SciELO the XPath query language for semi-structured data (XML), and it has been characterized . Models for this logic are unranked trees, where nodes are labeled by Logics For XML, Ph.D. Thesis - Project WAM Pierre Geneves is a French computer scientist born in 1980. He is research scientist at CNRS and recipient of the 2013 CNRS Bronze medal. Temporal Logics over Unranked Trees - University of Toronto . One concerns relative speciﬁcations often used in the XML context – these apply to . T., Segoufin, L.: Two-variable logic on data trees and XML reasoning. Query Reasoning on Data Trees with Counting Many properties of interest in the XML context are related to navigation, and can be formulated in temporal logics for trees. We choose a logic that admits a Context Logic and Tree Update Towards that end, we use a simple LTL-like logic for trees., . is a useful feature for XML reasoning, since many XML data processing tasks are about node- Two-variable logic on data trees and applications to XML reasoning 6 Jun 2007 . Abstract—Motivated by reasoning tasks in the context of XML languages, the satisfiability problem of logics on data trees is investigated. 1 Extending two-variable logic on data trees with order on data . XML, tree languages, data values, Presburger arithmetic, reasoning, integer linear programming. 1. INTRODUCTION. Traditional approaches to studying logics Efficient reasoning about data trees via integer linear programming. Finally, we show that several XML reasoning problems (XPath queries with schemas), such . Query reasoning on trees with types, interleaving, and counting. Extending Two-Variable Logic on Trees - DROPS - Schloss Dagstuhl Two-variable logic on data trees and XML reasoning. Journal of the ACM 56, 3. Bouyer, P., Petit, A., and Th? chen, D. 2001. An algebraic characterization of data Logics for XML: Reasoning about Trees, Pierre Geneves comprar el . other hand, query languages based on classical logics, such as first-order logic . for trees. Introduction. XML has become the standard language for Web documents . techniques used in reasoning about infinite trees are noto- riously diﬃcult Bigraphical Logics for XML - Unipi Motivated by reasoning tasks for XML languages, the satisfiability problem of logics on data trees is investigated. The nodes of a data tree have a label from a Adjunct Elimination in Context Logic for Trees The solver has been developed in the context of the analysis of programs manipulating tree-shaped data and in particular XML data. The tree logic is ﬂexible Two-Variable Logic on Data Trees and XML Reasoning - MIMUW Keywords and phrases two-variable logic, trees, satisfiability, expressivity, counting quantifiers . core of XPath, a query language for XML documents [20]. Using arguments similar to those from the proof of Lemma 7 we can show that. GLOBAL NUMERICAL CONSTRAINTS ON TREES 1 . arXiv Motivated by reasoning tasks for XML languages, the satisfiability problem of logics on data trees is investigated. The nodes of a data tree have a label from a Pierre Geneves - Wikipedia Additional Key Words and Phrases: XML, tree languages, data values, . nodes. The interest in such logics was reawakened by the development of XML as the. Two-Variable Logic on Data Trees and XML Reasoning ABSTRACT. Motivated by reasoning tasks in the context of XML lan-
guages, the satisfiability problem of logics on data trees is investigated. The nodes of a data (PDF) Two-variable logic on data trees and XML reasoning Logics for XML: Reasoning about Trees [Pierre Geneves] on Amazon.com. "FREE" shipping on qualifying offers. This work describes the theoretical and Two-variable logic on data trees and XML reasoning - Doi.org Logics for XML: Reasoning about Trees, Pierre Geneves comprar el libro - ver opiniones y comentarios.Compra y venta de libros importados, novedades y XML Schema, Tree Logic and Sheaves Automata - LAAS Motivated by reasoning tasks for XML languages, the satisfiability problem of logics . two-variable first-order logic is decidable if the tree structure can be Query Reasoning on Trees with Types, Interleaving, and . - Irisa 4 Dec 2006 . Major XML concepts are linearly translated into the logic: XPath naviga-
tion and For reasoning on XML trees, only a speciﬁc subset of Lfull. Reasoning about XML with temporal logics and . - Science Direct then uses Context Logic to reason locally about tree, heap and term . XML, has made research on in-place tree update an interesting and active ﬁeld. In. Efficient reasoning about data trees via integer linear programming XML documents, and other forms of semi-structured data., may be roughly described as edge labeled trees it is therefore natural to. use tree automata to reason Logic for Programming, Artiﬁcial Intelligence, and Reasoning: . - Google Books Result XML is a key technology for describing and exchanging a wide variety of data . tree logic equipped with converse and recursive navigation, graded modalities Basic Model Theory of XPath on Data Trees - GLyC - Universidad de . to describe XML data (with ID and IDREFs) and to reason about programs . In static spatial logics (e.g. for trees [4], graphs [7] or trees with hidden names [8]). Reasoning about XML with Temporal Logics and . - Springer Link ?Many properties of interest in the XML context are related to navigation, and can be formulated in temporal logics for trees. We choose a logic that admits a Logic for Programming, Artiﬁcial Intelligence, and Reasoning: . - Google Books Result 16 Jun 2014 . Query reasoning in the presence of XML schemas is one of the central decidable extensions of tree logics with Presburger arithmetical The Tree Reasoning Solver - Tyrex They have been used as an abstraction model for reasoning tasks on XML and . show that the two-variable logic on unranked data trees, studied by Bojanczyk, Node Selection Query Languages for Trees - Rice CS - Rice University CiteSeerX - Document Details (Isaac Councill, Lee Giles, Pradeep Teregowda): Motivated by reasoning tasks in the context of XML languages, the satisfiability . Two-Variable Logic on Data Trees and XML Reasoning unranked trees. The reason is that temporal logics . fine bisimulation-invariant properties, but many XML queries of interest are not bisimulation-invariant (for. ?Efficient Reasoning about Data Trees via Integer Linear. - OpenAIRE Ambient Logic
(Cardelli, Gordon) is a logic for reasoning about static properties of node-labelled, unranked trees (e.g. Firewalls, XML data) Separation Logic Two-variable logic on data trees and XML reasoning - Semantic logic XPath=. Models of XPath= are data trees which can be seen as XML documents. A data tree is a tree whose nodes contains a label from a finite alphabet.