Quantifiers in TIME and SPACE: computational complexity of generalized quantifiers in natural language
Szymanik, J.K.

Citation for published version (APA):

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (http://dare.uva.nl)
Titles in the ILLC Dissertation Series:

ILLC DS-2001-01: Maria Aloni  
Quantification under Conceptual Covers

ILLC DS-2001-02: Alexander van den Bosch  
Rationality in Discovery - a study of Logic, Cognition, Computation and Neuropharmacology

ILLC DS-2001-03: Erik de Haas  
Logics For OO Information Systems: a Semantic Study of Object Orientation from a Categorial Substructural Perspective

ILLC DS-2001-04: Rosalie Iemhoff  
Provability Logic and Admissible Rules

ILLC DS-2001-05: Eva Hoogland  
Definability and Interpolation: Model-theoretic investigations

ILLC DS-2001-06: Ronald de Wolf  
Quantum Computing and Communication Complexity

ILLC DS-2001-07: Katsumi Sasaki  
Logics and Provability

ILLC DS-2001-08: Allard Tamminga  
Belief Dynamics. (Epistemo)logical Investigations

ILLC DS-2001-09: Gwen Kerdiles  
Saying It with Pictures: a Logical Landscape of Conceptual Graphs

ILLC DS-2001-10: Marc Pauly  
Logic for Social Software

ILLC DS-2002-01: Nikos Massios  
Decision-Theoretic Robotic Surveillance

ILLC DS-2002-02: Marco Aiello  
Spatial Reasoning: Theory and Practice

ILLC DS-2002-03: Yuri Engelhardt  
The Language of Graphics

ILLC DS-2002-04: Willem Klaas van Dam  
On Quantum Computation Theory

ILLC DS-2002-05: Rosella Gennari  
Mapping Inferences: Constraint Propagation and Diamond Satisfaction
ILLC DS-2002-06: Ivar Vermeulen  
A Logical Approach to Competition in Industries

ILLC DS-2003-01: Barteld Kooi  
Knowledge, chance, and change

ILLC DS-2003-02: Elisabeth Catherine Brouwer  
Imagining Metaphors: Cognitive Representation in Interpretation and Understanding

ILLC DS-2003-03: Juan Heguiabehere  
Building Logic Toolboxes

ILLC DS-2003-04: Christof Monz  
From Document Retrieval to Question Answering

ILLC DS-2004-01: Hein Philipp Röhrig  
Quantum Query Complexity and Distributed Computing

ILLC DS-2004-02: Sebastian Brand  
Rule-based Constraint Propagation: Theory and Applications

ILLC DS-2004-03: Boudewijn de Bruin  
Explaining Games. On the Logic of Game Theoretic Explanations

ILLC DS-2005-01: Balder David ten Cate  
Model theory for extended modal languages

ILLC DS-2005-02: Willem-Jan van Hoeve  
Operations Research Techniques in Constraint Programming

ILLC DS-2005-03: Rosja Mastop  
What can you do? Imperative mood in Semantic Theory

ILLC DS-2005-04: Anna Pilatova  
A User’s Guide to Proper names: Their Pragmatics and Semantics

ILLC DS-2005-05: Sieuwert van Otterloo  
A Strategic Analysis of Multi-agent Protocols

ILLC DS-2006-01: Troy Lee  
Kolmogorov complexity and formula size lower bounds

ILLC DS-2006-02: Nick Bezhanishvili  
Lattices of intermediate and cylindric modal logics

ILLC DS-2006-03: Clemens Kupke  
Finitary coalgebraic logics
ILLC DS-2006-04: Robert Špalek  
Quantum Algorithms, Lower Bounds, and Time-Space Tradeoffs

ILLC DS-2006-05: Aline Honingh  
The Origin and Well-Formedness of Tonal Pitch Structures

ILLC DS-2006-06: Merlijn Sevenster  
Branches of imperfect information: logic, games, and computation

ILLC DS-2006-07: Marie Nilsenova  
Rises and Falls. Studies in the Semantics and Pragmatics of Intonation

ILLC DS-2006-08: Darko Sarenac  
Products of Topological Modal Logics

ILLC DS-2007-01: Rudi Cilibrasi  
Statistical Inference Through Data Compression

ILLC DS-2007-02: Neta Spiro  
What contributes to the perception of musical phrases in western classical music?

ILLC DS-2007-03: Darrin Hindsill  
It’s a Process and an Event: Perspectives in Event Semantics

ILLC DS-2007-04: Katrin Schulz  
Minimal Models in Semantics and Pragmatics: Free Choice, Exhaustivity, and Conditionals

ILLC DS-2007-05: Yoav Seginer  
Learning Syntactic Structure

ILLC DS-2008-01: Stephanie Wehner  
Cryptography in a Quantum World

ILLC DS-2008-02: Fenrong Liu  
Changing for the Better: Preference Dynamics and Agent Diversity

ILLC DS-2008-03: Olivier Roy  
Thinking before Acting: Intentions, Logic, Rational Choice

ILLC DS-2008-04: Patrick Girard  
Modal Logic for Belief and Preference Change

ILLC DS-2008-05: Erik Rietveld  
Unreflective Action: A Philosophical Contribution to Integrative Neuroscience
ILLC DS-2008-06: **Falk Unger**  
*Noise in Quantum and Classical Computation and Non-locality*

ILLC DS-2008-07: **Steven de Rooij**  
*Minimum Description Length Model Selection: Problems and Extensions*

ILLC DS-2008-08: **Fabrice Nauze**  
*Modality in Typological Perspective*

ILLC DS-2008-09: **Floris Roelofsen**  
*Anaphora Resolved*

ILLC DS-2008-10: **Marian Counihan**  
*Looking for logic in all the wrong places: an investigation of language, literacy and logic in reasoning*