Technical Reports

Prof. Dr.-Ing. Franz Baader

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This is the list of technical reports of the Chair of Automata Theory at TU Dresden. When available, links to online versions of abstract, BibTeX entries, and the papers are provided. More information about the research group is available at `https://tu-dresden.de/ing/informatik/thi/lat`, where recent versions of this document are available in PDF format or as web pages.

2024

Franz Baader and Oliver Fernández Gil: **Unification in the Description Logic $\mathcal{ELH}_{\mathcal{R}^+}$ without the Top Concept modulo Cycle-Restricted Ontologies (Extended Version)**. LTCS-Report 24-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2024.

BibTeX Entry: `https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFe-LTCS-24-01:bibtex`

Abstract: `https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFe-LTCS-24-01:abstract`

PDF File: `https://lat.inf.tu-dresden.de/research/reports/2024/BaFe-LTCS-24-01.pdf`

Franz Baader, Francesco Kriegel, and Adrian Nuradiansyah: **Inconsistency- and Error-Tolerant Reasoning w.r.t. Optimal Repairs of $\mathcal{EL}^{\perp}$ Ontologies (Extended Version)**. LTCS-Report 24-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2024.

BibTeX Entry: `https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNu-LTCS-24-02:bibtex`

Abstract: `https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNu-LTCS-24-02:abstract`

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2023

Francesco Kriegel: **Efficient Axiomatization of OWL 2 EL Ontologies from Data by means of Formal Concept Analysis (Extended Version)**. LTCS-Report 23-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2023.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-23-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-23-01:abstract

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Addendum: https://zenodo.org/doi/10.5281/zenodo.10908141

Franz Baader and Filippo De Bortoli: **On the Abstract Expressive Power of Description Logics with Concrete Domains (Extended Version)**. LTCS-Report 23-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2023.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBo-LTCS-23-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBo-LTCS-23-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2023/BaBo-LTCS-23-02.pdf

Franz Baader, Patrick Koopmann, and Francesco Kriegel: **Optimal Repairs in the Description Logic $\mathcal{EL}$ Revisited (Extended Version)**. LTCS-Report 23-03, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2023.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKr-LTCS-23-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKr-LTCS-23-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2023/BaKoKr-LTCS-23-03.pdf

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Erratum: https://zenodo.org/doi/10.5281/zenodo.10276270

Oliver Fernández Gil and Pavlos Marantidis: **Towards Extending the Description Logic FL0 with Threshold Concepts Using Weighted Tree Automata**. LTCS-Report 23-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2023.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#FeMa-LTCS-23-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#FeMa-LTCS-23-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2023/FeMa-LTCS-23-04.pdf

2022

Franz Baader, Patrick Koopmann, Francesco Kriegel, and Adrian Nuradiansyah: **Optimal ABox Repair w.r.t. Static $\mathcal{EL}$ TBoxes: from Quantified ABoxes back to ABoxes (Extended Version)**. LTCS-Report 22-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2022.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKrNu-LTCS-22-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKrNu-LTCS-22-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2022/BaKoKrNu-LTCS-22-01.pdf

DOI: https://doi.org/10.25368/2022.65

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKoKrNu-ESWC2022

Franz Baader and Francesco Kriegel: **Pushing Optimal ABox Repair from $\mathcal{EL}$ Towards More Expressive Horn-DLs (Extended Version)**. LTCS-Report 22-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2022.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKr-LTCS-22-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKr-LTCS-22-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2022/BaKr-LTCS-22-02.pdf

DOI: https://doi.org/10.25368/2022.131

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKr-KR2022

Addendum: https://doi.org/10.5281/zenodo.8060198

Francesco Kriegel: **Optimal Fixed-Premise Repairs of $\mathcal{EL}$ TBoxes (Extended Version)**. LTCS-Report 22-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2022.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-22-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-22-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2022/Kr-LTCS-22-04.pdf

DOI: https://doi.org/10.25368/2022.321

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#Kr-KI2022

2021

Franz Baader, Patrick Koopmann, Francesco Kriegel, and Adrian Nuradiansyah: **Computing Optimal Repairs of Quantified ABoxes w.r.t. Static $\mathcal{EL}$ TBoxes (Extended Version)**. LTCS-Report 21-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2021.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKrNu-LTCS-21-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKrNu-LTCS-21-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2021/BaKoKrNu-LTCS-21-01.pdf

DOI: https://doi.org/10.25368/2022.64

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKoKrNu-CADE2021

Franz Baader, Oliver Fernández Gil, and Maryam Rostamigiv: **Restricted Unification in the DL $\mathcal{FL}_0$ (Extended Version)**. LTCS-Report 21-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2021.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaGiRo21:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaGiRo21:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2021/BaGiRo21.pdf

DOI: https://doi.org/10.25368/2022.266

Patrick Koopmann: **Two Ways of Explaining Negative Entailments in Description Logics Using Abduction (Extended Version)**. LTCS-Report 21-03, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, 2021.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-21-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-21-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2021/Ko-LTCS-21-03.pdf

DOI: https://doi.org/10.25368/2022.267

Franz Baader, Patrick Koopmann, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Privacy-Preserving Ontology Publishing: The Case of Quantified ABoxes w.r.t. a Static Cycle-Restricted $\mathcal{EL}$ TBox (Extended Version)**. LTCS-Report 21-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2021.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKrNuPe-LTCS-21-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoKrNuPe-LTCS-21-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2021/BaKoKrNuPe-LTCS-21-04.pdf

DOI: https://doi.org/10.25368/2022.268

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKoKrNuPe-DL-2021

Stefan Borgwardt: **Concise Justifications Versus Detailed Proofs for Description Logic Entailments**. LTCS-Report 21-05, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2021.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borg-LTCS-21-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borg-LTCS-21-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2021/Borg-LTCS-21-05.pdf

2020

Franz Baader and Jakub Rydval: **Using Model-Theory to Find ω-Admissible Concrete Domains**. LTCS-Report 20-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaRy-LTCS-20-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaRy-LTCS-20-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2020/BaRy-LTCS-20-01.pdf

DOI: https://doi.org/10.25368/2022.259

Franz Baader and Deepak Kapur: **Deciding the Word Problem for Ground Identities with Commutative and Extensional Symbols**. LTCS-Report 20-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKa-LTCS-20-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKa-LTCS-20-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2020/BaKa-LTCS-20-02.pdf

DOI: https://doi.org/10.25368/2022.260

Manuel Bodirsky, Wied Pakusa, and Jakub Rydval: **Temporal Constraint Satisfaction Problems in Fixed-Point Logic**. LTCS-Report 20-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPaRy-LTCS-20-04:bibtex

Oliver Fernández Gil and Anni-Yasmin Turhan: **Answering Regular Path Queries Under Approximate Semantics in Lightweight Description Logics**. LTCS-Report 20-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#FeAt-LTCS-20-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#FeAt-LTCS-20-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2020/FeAt-LTCS-20-05.pdf

DOI: https://doi.org/10.25368/2022.261

Patrick Koopmann and Jieying Chen: **Deductive Module Extraction for Expressive Description Logics (Extended Version)**. LTCS-Report 20-06, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KoCh-LTCS-20-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KoCh-LTCS-20-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2020/KoCh-LTCS-20-06.pdf

DOI: https://doi.org/10.25368/2022.262

Franz Baader, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Computing Compliant Anonymisations of Quantified ABoxes w.r.t. $\mathcal{EL}$ Policies (Extended Version)**. LTCS-Report 20-08, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-20-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-20-08:abstract

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Franz Baader, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Computing Safe Anonymisations of Quantified ABoxes w.r.t. $\mathcal{EL}$ Policies (Extended Version)**. LTCS-Report 20-09, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-20-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-20-09:abstract

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Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKrNuPe-SAC2021

Franz Baader and Jakub Rydval: **An Algebraic View on p-Admissible Concrete Domains for Lightweight Description Logics (Extended Version)**. LTCS-Report 20-10, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaRy-LTCS-20-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaRy-LTCS-20-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2020/BaRy-LTCS-20-10.pdf

DOI: https://doi.org/10.25368/2022.265

2019

Franz Baader, Francesco Kriegel, and Adrian Nuradiansyah: **Privacy-Preserving Ontology Publishing for $\mathcal{EL}$ Instance Stores (Extended Version)**. LTCS-Report 19-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNu-LTCS-19-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNu-LTCS-19-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BaKrNu-LTCS-19-01.pdf

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Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKrNu-JELIA19

Francesco Kriegel: **Joining Implications in Formal Contexts and Inductive Learning in a Horn Description Logic (Extended Version)**. LTCS-Report 19-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-19-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-19-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/Kr-LTCS-19-02.pdf

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Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#Kr-ICFCA19

Patrick Koopmann: **Maybe Eventually? Towards Combining Temporal and Probabilistic Description Logics and Queries (Extended Version)**. LTCS-Report 19-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-19-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-19-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/Ko-LTCS-19-03.pdf

DOI: https://doi.org/10.25368/2022.252

Satyadharma Tirtarasa and Benjamin Zarrieß: **Projection in a Description Logic of Context with Actions (Extended Version)**. LTCS-Report 19-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#TiZa-LTCS-19-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#TiZa-LTCS-19-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/TiZa-LTCS-19-04.pdf

DOI: https://doi.org/10.25368/2022.253

Clemens Dubslaff, Patrick Koopmann, and Anni-Yasmin Turhan: **Ontology-Mediated Probabilistic Model Checking (Extended Version)**. LTCS-Report 19-05, TU Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DuKoTu-LTCS-19-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DuKoTu-LTCS-19-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/DuKoTu-LTCS-19-05.pdf

DOI: https://doi.org/10.25368/2022.254

Christian Alrabbaa, Patrick Koopmann, and Anni-Yasmin Turhan: **Practical Query Rewriting for *DL-Lite* with Numerical Predicates (Extended Version)**. LTCS-Report 19-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#AlKoTu-LTCS-19-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#AlKoTu-LTCS-19-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/AlKoTu-LTCS-19-06.pdf

DOI: https://doi.org/10.25368/2022.255

Stefan Borgwardt and Barbara Morawska: **Finite Herbrand Models for Restricted First-Order Clauses**. LTCS-Report 19-07, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoMo-LTCS-19-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoMo-LTCS-19-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BoMo-LTCS-19-07.pdf

DOI: https://doi.org/10.25368/2022.256

Franz Baader and Clément Théron: **Role-Value Maps and General Concept Inclusions in the Description Logic $\mathcal{FL}_0$**. LTCS-Report 19-08, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaTh-LTCS-19-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaTh-LTCS-19-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BaTh-LTCS-19-08.pdf

DOI: https://doi.org/10.25368/2022.257

Franz Baader and Filippo De Bortoli: **On the Complexity and Expressiveness of Description Logics with Counting**. LTCS-Report 19-09, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBo-LTCS-19-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBo-LTCS-19-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BaBo-LTCS-19-09.pdf

DOI: https://doi.org/10.25368/2022.258

Stefan Borgwardt, Ismail Ilkan Ceylan, and Thomas Lukasiewicz: **Ontology-Mediated Query Answering over Log-Linear Probabilistic Data (Extended Version)**. LTCS-Report 19-10, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoCL-LTCS-19-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoCL-LTCS-19-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BoCL-LTCS-19-10.pdf

Stefan Borgwardt and Walter Forkel: **Closed-World Semantics for Conjunctive Queries with Negation over $\mathcal{ELH}_\bot$ Ontologies (Extended Version)**. LTCS-Report 19-11, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoFo-LTCS-19-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoFo-LTCS-19-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BoFo-LTCS-19-11.pdf

Stefan Borgwardt, Walter Forkel, and Alisa Kovtunova: **Finding New Diamonds: Temporal Minimal-World Query Answering over Sparse ABoxes (Extended Version)**. LTCS-Report 19-12, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoFK-LTCS-19-12:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoFK-LTCS-19-12:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/BoFK-LTCS-19-12.pdf

Chao Xu, Walter Forkel, Stefan Borgwardt, Franz Baader, and Beihai Zhou: **Automatic Translation of Clinical Trial Eligibility Criteria into Formal Queries (Extended Version)**. LTCS-Report 19-13, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#XFBBZ-LTCS-19-13:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#XFBBZ-LTCS-19-13:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2019/XFBBZ-LTCS-19-13.pdf

2018

Franz Baader, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Repairing Description Logic Ontologies by Weakening Axioms**. LTCS-Report 18-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-18-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-18-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/BaKrNuPe-LTCS-18-01.pdf

DOI: https://doi.org/10.25368/2022.238

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKrNuPe-KR2018

Francesco Kriegel: **Terminological Knowledge Acquisition in Probabilistic Description Logic**. LTCS-Report 18-03, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Kr-LTCS-18-03.pdf

DOI: https://doi.org/10.25368/2022.239

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#Kr-KI18

Franz Baader, Oliver Fernández Gil, and Maximilian Pensel: **Standard and Non-Standard Inferences in the Description Logic $\mathcal{FL}_0$ Using Tree Automata**. LTCS-Report 18-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFePe-LTCS-18-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFePe-LTCS-18-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/BaFePe-LTCS-18-04.pdf

DOI: https://doi.org/10.25368/2022.240

Patrick Koopmann and Benjamin Zarrieß: **On the Complexity of Verifying Timed Golog Programs over Description Logic Actions (Extended Version)**. LTCS-Report 18-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KoZa-LTCS-18-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KoZa-LTCS-18-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/KoZa-LTCS-18-06.pdf

DOI: https://doi.org/10.25368/2022.241

Patrick Koopmann: **Ontology-Mediated Query Answering for Probabilistic Temporal Data with $\mathcal{EL}$ Ontologies (Extended Version)**. LTCS-Report 18-07, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-18-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-18-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Ko-LTCS-18-07.pdf

DOI: https://doi.org/10.25368/2022.242

Patrick Koopmann: **Actions with Conjunctive Queries: Projection, Conflict Detection and Verification**. LTCS-Report 18-08, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-18-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Ko-LTCS-18-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Ko-LTCS-18-08.pdf

DOI: https://doi.org/10.25368/2022.243

Clemens Dubslaff, Patrick Koopmann, and Anni-Yasmin Turhan: **Contextualized Programs for Ontology-Mediated Probabilistic System Analysis**. LTCS-Report 18-09, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DuKoTu-LTCS-18-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DuKoTu-LTCS-18-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/DuKoTu-LTCS-18-09.pdf

DOI: https://doi.org/10.25368/2022.244

Evaluation Files: https://lat.inf.tu-dresden.de/evaluation-fm2019/evaluation-files.tar.gz

Francesco Kriegel: **The Distributive, Graded Lattice of $\mathcal{EL}$ Concept Descriptions and its Neighborhood Relation (Extended Version)**. LTCS-Report 18-10, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Kr-LTCS-18-10.pdf

DOI: https://doi.org/10.25368/2022.245

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#Kr-CLA18

Francesco Kriegel: **Most Specific Consequences in the Description Logic $\mathcal{EL}$**. LTCS-Report 18-11, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Kr-LTCS-18-11.pdf

DOI: https://doi.org/10.25368/2022.246

Journal Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#Kr-DAM20

Francesco Kriegel: **Learning Description Logic Axioms from Discrete Probability Distributions over Description Graphs (Extended Version)**. LTCS-Report 18-12, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-12:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-18-12:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Kr-LTCS-18-12.pdf

DOI: https://doi.org/10.25368/2022.247

Conference Article: https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#Kr-JELIA19

Patrick Koopmann: **Ontology-Based Query Answering for Probabilistic Temporal Data (Extended Version)**. LTCS-Report 18-13, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Koopmann18tr:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Koopmann18tr:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/Koopmann18tr.pdf

DOI: https://doi.org/10.25368/2022.248

David Carral, Larry González, and Patrick Koopmann: **From Horn-$\mathcal{SRIQ}$ to Datalog: A Data-Independent Transformation that Preserves Assertion Entailment (Extended Version)**. LTCS-Report 18-14, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, 2018.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CaGoKo-18-14:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CaGoKo-18-14:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2018/CaGoKo-18-14.pdf

DOI: https://doi.org/10.25368/2022.249

Evaluation Files: https://lat.inf.tu-dresden.de/horn-sriq-rewriting/aaai-evaluation-files.tar.gz

2017

Maximilian Pensel and Anni-Yasmin Turhan: **Making Quantification Relevant again—the Case of Defeasible $\mathcal{EL}_\bot$**. LTCS-Report 17-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PeTu-LTCS-17-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PeTu-LTCS-17-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/PeTu-LTCS-17-01.pdf

DOI: https://doi.org/10.25368/2022.231

Franz Baader: **Concept Descriptions with Set Constraints and Cardinality Constraints**. LTCS-Report 17-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baad-LTCS-17-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baad-LTCS-17-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/Baad-LTCS-17-02.pdf

DOI: https://doi.org/10.25368/2022.232

Franz Baader, Stefan Borgwardt, Patrick Koopmann, Ana Ozaki, and Veronika Thost: **Metric Temporal Description Logics with Interval-Rigid Names (Extended Version)**. LTCS-Report 17-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBoKoOzTh-LTCS-17-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBoKoOzTh-LTCS-17-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/BaBoKoOzTh-LTCS-17-03.pdf

DOI: https://doi.org/10.25368/2022.233

Franz Baader, Stefan Borgwardt, and Marcel Lippmann: **Query Rewriting for *DL-Lite* with n-ary Concrete Domains (Extended Version)**. LTCS-Report 17-04, Chair for Automata Theory, Technische Universität Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBL-LTCS-17-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBL-LTCS-17-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/BaBL-LTCS-17-04.pdf

DOI: https://doi.org/10.25368/2022.234

Franz Baader, Patrick Koopmann, and Anni-Yasmin Turhan: **Using Ontologies to Query Probabilistic Numerical Data (Extended Version)**. LTCS-Report 17-05, Chair for Automata Theory, Technische Universität Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoTu-LTCS-17-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKoTu-LTCS-17-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/BaKoTu-LTCS-17-05.pdf

DOI: https://doi.org/10.25368/2022.235

Camille Bourgaux and Anni-Yasmin Turhan: **Temporal Query Answering in DL-Lite over Inconsistent Data**. LTCS-Report 17-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTu-LTCS-17-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTu-LTCS-17-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/BoTu-LTCS-17-06.pdf

DOI: https://doi.org/10.25368/2022.236

Franz Baader, Stefan Borgwardt, and Barbara Morawska: **Constructing SNOMED CT Concepts via Disunification**. LTCS-Report 17-07, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-17-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-17-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/BaBM-LTCS-17-07.pdf

DOI: https://doi.org/10.25368/2022.237

Stefan Borgwardt, Ismail Ilkan Ceylan, and Thomas Lukasiewicz: **Ontology-Mediated Queries for Probabilistic Databases (Extended Version)**. LTCS-Report 17-10, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoCL-LTCS-17-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoCL-LTCS-17-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/BoCL-LTCS-17-10.pdf

Ismail Ilkan Ceylan, Stefan Borgwardt, and Thomas Lukasiewicz: **Most Probable Explanations for Probabilistic Database Queries (Extended Version)**. LTCS-Report 17-11, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2017.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CeBL-LTCS-17-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CeBL-LTCS-17-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2017/CeBL-LTCS-17-11.pdf

2016

Claudia Carapelle and Anni-Yasmin Turhan: **Decidability of $\mathcal{ALC}^P(\mathcal{D})$ for concrete domains with the EHD-property**. LTCS-Report 16-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CaTu-LTCS-16-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CaTu-LTCS-16-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/CaTu-LTCS-16-01.pdf

DOI: https://doi.org/10.25368/2022.225

Franz Baader and Oliver Fernández Gil: **Extending the Description Logic $\tau\mathcal{EL}(deg)$ with Acyclic TBoxes**. LTCS-Report 16-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFe-LTCS-16-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFe-LTCS-16-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/BaFe-LTCS-16-02.pdf

DOI: https://doi.org/10.25368/2022.226

Franz Baader, Pavlos Marantidis, and Alexander Okhotin: **Approximately Solving Set Equations**. LTCS-Report 16-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMaOk-LTCS-16-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMaOk-LTCS-16-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/BaMaOk-LTCS-16-03.pdf

DOI: https://doi.org/10.25368/2022.227

Franz Baader, Pavlos Marantidis, and Alexander Okhotin: **Approximate Unification in the Description Logic $\mathcal{FL}_0$**. LTCS-Report 16-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMaOk-LTCS-16-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMaOk-LTCS-16-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/BaMaOk-LTCS-16-04.pdf

DOI: https://doi.org/10.25368/2022.228

Franz Baader and Oliver Fernández Gil: **Decidability and Complexity of Threshold Description Logics Induced by Concept Similarity Measures**. LTCS-Report 16-07, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFe-LTCS-16-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFe-LTCS-16-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/BaFe-LTCS-16-07.pdf

DOI: https://doi.org/10.25368/2022.229

Franz Baader, Oliver Fernández Gil, and Pavlos Marantidis: **Approximation in Description Logics: How Weighted Tree Automata Can Help to Define the Required Concept Comparison Measures in $\mathcal{FL}_0$**. LTCS-Report 16-08, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFM-LTCS-16-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFM-LTCS-16-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/BaFM-LTCS-16-08.pdf

DOI: https://doi.org/10.25368/2022.230

Stefan Borgwardt, Bettina Fazzinga, Thomas Lukasiewicz, Akanksha Shrivastava, and Oana Tifrea-Marciuska: **Preferential Query Answering in the Semantic Web with Possibilistic Networks (Extended Version)**. LTCS-Report 16-10, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2016.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BFLST-LTCS-16-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BFLST-LTCS-16-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2016/BFLST-LTCS-16-10.pdf

2015

Francesco Kriegel: **NextClosures – Parallel Exploration of Constrained Closure Operators**. LTCS-Report 15-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-15-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-15-01:abstract

Francesco Kriegel: **Model-Based Most Specific Concept Descriptions and Least Common Subsumers in $\mathcal{ALEQ}^{\geq}\mathcal{N}^{\leq}(\mathsf{Self})$**. LTCS-Report 15-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-15-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-15-02:abstract

Franz Baader, Stefan Borgwardt, and Barbara Morawska: **Dismatching and Local Disunification in $\mathcal{EL}$**. LTCS-Report 15-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-15-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-15-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BaBM-LTCS-15-03.pdf

DOI: https://doi.org/10.25368/2022.210

Stephan Böhme and Marcel Lippmann: **Description Logics of Context with Rigid Roles Revisited**. LTCS-Report 15-04, Chair of Automata Theory, TU Dresden, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoLi-LTCS-15-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoLi-LTCS-15-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoLi-LTCS-15-04.pdf

DOI: https://doi.org/10.25368/2022.211

Stefan Borgwardt, Marco Cerami, and Rafael Peñaloza: **Subsumption in Finitely Valued Fuzzy $\mathcal{EL}$**. LTCS-Report 15-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoCP-LTCS-15-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoCP-LTCS-15-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoCP-LTCS-15-06.pdf

DOI: https://doi.org/10.25368/2022.212

Stefan Borgwardt and Veronika Thost: **LTL over $\mathcal{EL}$ Axioms**. LTCS-Report 15-07, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTh-LTCS-15-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTh-LTCS-15-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoTh-LTCS-15-07.pdf

DOI: https://doi.org/10.25368/2022.213

Stefan Borgwardt and Veronika Thost: **Temporal Query Answering in $\mathcal{EL}$**. LTCS-Report 15-08, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTh-LTCS-15-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTh-LTCS-15-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoTh-LTCS-15-08.pdf

DOI: https://doi.org/10.25368/2022.214

Franz Baader, Gerhard Brewka, and Oliver Fernández Gil: **Adding Threshold Concepts to the Description Logic $\mathcal{EL}$**. LTCS-Report 15-09, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBrF-LTCS-15-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBrF-LTCS-15-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BaBrF-LTCS-15-9.pdf

DOI: https://doi.org/10.25368/2022.215

Benjamin Zarrieß and Jens Claßen: **Verification of Knowledge-Based Programs over Description Logic Actions**. LTCS-Report 15-10, Chair of Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaCl-LTCS-15-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaCl-LTCS-15-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/ZaCl-LTCS-15-10.pdf

DOI: https://doi.org/10.25368/2022.216

Stefan Borgwardt and Rafael Peñaloza: **Infinitely Valued Gödel Semantics for Expressive Description Logics**. LTCS-Report 15-11, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-15-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-15-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoPe-LTCS-15-11.pdf

DOI: https://doi.org/10.25368/2022.217

Veronika Thost, Jan Holste, and Özgür Özçep: **On Implementing Temporal Query Answering in *DL-Lite***. LTCS-Report 15-12, Chair of Automata Theory, TU Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#THOe-LTCS-15-12:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#THOe-LTCS-15-12:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/THOe-LTCS-15-12.pdf

DOI: https://doi.org/10.25368/2022.218

Daniel Borchmann, Felix Distel, and Francesco Kriegel: **Axiomatization of General Concept Inclusions from Finite Interpretations**. LTCS-Report 15-13, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoDiKr-LTCS-15-13:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoDiKr-LTCS-15-13:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoDiKr-LTCS-15-13.pdf

DOI: https://doi.org/10.25368/2022.219

Francesco Kriegel: **Learning General Concept Inclusions in Probabilistic Description Logics**. LTCS-Report 15-14, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-15-14:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kr-LTCS-15-14:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/Kr-LTCS-15-14.pdf

DOI: https://doi.org/10.25368/2022.220

Stefan Borgwardt and Veronika Thost: **Temporal Query Answering in *DL-Lite* with Negation**. LTCS-Report 15-16, Chair for Automata Theory, Technische Universität Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTh-LTCS-15-16:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoTh-LTCS-15-16:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoTh-LTCS-15-16.pdf

DOI: https://doi.org/10.25368/2022.221

Franz Baader, Stefan Borgwardt, and Marcel Lippmann: **Temporal Conjunctive Queries in Expressive DLs with Non-simple Roles**. LTCS-Report 15-17, Chair for Automata Theory, Technische Universität Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBL-LTCS-15-17:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBL-LTCS-15-17:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BaBL-LTCS-15-17.pdf

DOI: https://doi.org/10.25368/2022.222

Stefan Borgwardt and Rafael Peñaloza: **A Tableau Algorithm for $\mathcal{SROIQ}$ under Infinitely Valued Gödel Semantics**. LTCS-Report 15-18, Chair for Automata Theory, Technische Universität Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-15-18:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-15-18:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/BoPe-LTCS-15-18.pdf

DOI: https://doi.org/10.25368/2022.223

Benjamin Zarrieß and Jens Claßen: **Decidable Verification of Golog Programs over Non-Local Effect Actions**. LTCS-Report 15-19, Chair of Automata Theory, TU Dresden, Dresden, Germany, 2015.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaCla-LTCS-15-19:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaCla-LTCS-15-19:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2015/ZaCla-LTCS-15-19.pdf

DOI: https://doi.org/10.25368/2022.224

2014

Franz Baader and Marcel Lippmann: **Runtime Verification Using a Temporal Description Logic Revisited**. LTCS-Report 14-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaLi-LTCS-14-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaLi-LTCS-14-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/BaLi-LTCS-14-01.pdf

DOI: https://doi.org/10.25368/2022.203

Stefan Borgwardt: **The Complexity of Fuzzy Description Logics over Finite Lattices with Nominals**. LTCS-Report 14-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borg-LTCS-14-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borg-LTCS-14-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/Borg-LTCS-14-02.pdf

DOI: https://doi.org/10.25368/2022.204

Franz Baader and Barbara Morawska: **Matching with respect to general concept inclusions in the Description Logic $\mathcal{EL}$**. LTCS-Report 14-03, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMo-LTCS-14-3:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMo-LTCS-14-3:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/BaMo-LTCS-14-3.pdf

DOI: https://doi.org/10.25368/2022.205

Rafael Peñaloza, Veronika Thost, and Anni-Yasmin Turhan: **Conjunctive Query Answering in Rough EL**. LTCS-Report 14-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PeTT-LTCS-14-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PeTT-LTCS-14-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/PeTT-LTCS-14-04.pdf

DOI: https://doi.org/10.25368/2022.206

Yue Ma and Rafael Peñaloza: **Towards Parallel Repair Using Decompositions**. LTCS-Report 14-05, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MaPe-LTCS-14-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MaPe-LTCS-14-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/MaPe-LTCS-14-05.pdf

DOI: https://doi.org/10.25368/2022.207

Stefan Borgwardt, Marcel Lippmann, and Veronika Thost: **Reasoning with Temporal Properties over Axioms of *DL-Lite***. LTCS-Report 14-06, Chair of Automata Theory, TU Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoLT-LTCS-13-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoLT-LTCS-13-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/BoLT-LTCS-14-06.pdf

DOI: https://doi.org/10.25368/2022.208

Michel Ludwig and Rafael Peñaloza: **Error-Tolerant Reasoning in the Description Logic EL**. LTCS-Report 14-11, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2014.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LuPe-LTCS-14-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LuPe-LTCS-14-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2014/LuPe-LTCS-14-11.pdf

DOI: https://doi.org/10.25368/2022.209

2013

Franz Baader, Stefan Borgwardt, and Marcel Lippmann: **On the Complexity of Temporal Query Answering**. LTCS-Report 13-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBoLi-LTCS-13-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBoLi-LTCS-13-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/BaBoLi-LTCS-13-01.pdf

DOI: https://doi.org/10.25368/2022.191

Daniel Borchmann: **A General Form of Attribute Exploration**. LTCS-Report 13-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borc-LTCS-13-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borc-LTCS-13-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/Borc-LTCS-13-02.pdf

DOI: https://doi.org/10.25368/2022.192

Yue Ma and Felix Distel: **Learning Formal Definitions for Snomed CT from Text**. LTCS-Report 13-03, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MaDi-LTCS-13-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MaDi-LTCS-13-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/MaDi-LTCS-13-03.pdf

DOI: https://doi.org/10.25368/2022.193

Daniel Borchmann: **Exploration by Confidence**. LTCS-Report 13-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borch-LTCS-13-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borch-LTCS-13-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/Borch-LTCS-13-04.pdf

DOI: https://doi.org/10.25368/2022.194

Stefan Borgwardt, Marcel Lippmann, and Veronika Thost: **Temporal Query Answering w.r.t. *DL-Lite*-Ontologies**. LTCS-Report 13-05, Chair of Automata Theory, TU Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoLT-LTCS-13-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoLT-LTCS-13-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/BoLiTh-LTCS-13-05.pdf

DOI: https://doi.org/10.25368/2022.195

Benjamin Zarrieš and Anni-Yasmin Turhan: **Most Specific Generalizations w.r.t. General $\mathcal{EL}$-TBoxes**. LTCS-Report 13-06, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaTu-LTCS-13-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaTu-LTCS-13-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/ZaTu-LTCS-13-06.pdf

DOI: https://doi.org/10.25368/2022.196

Franz Baader, Oliver Fernández Gil, and Barbara Morawska: **Hybrid Unification in the Description Logic EL**. LTCS-Report 13-07, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFM-LTCS-13-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaFM-LTCS-13-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/BaFM-LTCS-13-7.pdf

DOI: https://doi.org/10.25368/2022.197

Franz Baader and Benjamin Zarrieš: **Verification of Golog Programs over Description Logic Actions**. LTCS-Report 13-08, Chair of Automata Theory, TU Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaZa-LTCS-13-08:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/BaZa-LTCS-13-08.pdf

DOI: https://doi.org/10.25368/2022.198

Stefan Borgwardt, Felix Distel, and Rafael Peñaloza: **Goedel Description Logics: Decidability in the Absence of the Finitely-Valued Model Property**. LTCS-Report 13-09, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoDP-LTCS-13-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoDP-LTCS-13-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/BoDP-LTCS-13-09.pdf

DOI: https://doi.org/10.25368/2022.199

Benjamin Zarrieß and Jens Claßen: **On the Decidability of Verifying LTL Properties of Golog Programs**. LTCS-Report 13-10, Chair of Automata Theory, TU Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaCla-LTCS-13-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#ZaCla-LTCS-13-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/ZaCla-LTCS-13-10.pdf

DOI: https://doi.org/10.25368/2022.200

Daniel Borchmann: **Model Exploration by Confidence with Completely Specified Counterexamples**. LTCS-Report 13-11, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borc-LTCS-13-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borc-LTCS-13-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/Borc-LTCS-13-11.pdf

DOI: https://doi.org/10.25368/2022.201

Andreas Ecke and Anni-Yasmin Turhan: **Similarity Measures for Computing Relaxed Instances w.r.t. General $\mathcal{EL}$-TBoxes**. LTCS-Report 13-12, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2013.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#EcTu-TR-13:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#EcTu-TR-13:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2013/TR-simi.pdf

DOI: https://doi.org/10.25368/2022.202

2012

Franz Baader and Alexander Okhotin: **Solving Language Equations and Disequations Using Looping Tree Automata with Colors**. LTCS-Report 12-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2012.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaOk-LTCS-12-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaOk-LTCS-12-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2012/BaOk-LTCS-12-01.pdf

DOI: https://doi.org/10.25368/2022.185

Franz Baader, Stefan Borgwardt, and Barbara Morawska: **SAT Encoding of Unification in $\mathcal{ELH}_{R^+}$ w.r.t. Cycle-Restricted Ontologies**. LTCS-Report 12-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2012.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-12-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-12-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2012/BaBM-LTCS-12-02.pdf

DOI: https://doi.org/10.25368/2022.186

Franz Baader, Stefan Borgwardt, and Barbara Morawska: **Computing Minimal $\mathcal{EL}$-Unifiers is Hard**. LTCS-Report 12-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2012.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-12-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-12-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2012/BaBM-LTCS-12-03.pdf

DOI: https://doi.org/10.25368/2022.187

Stefan Borgwardt and Rafael Peñaloza: **Consistency in Fuzzy Description Logics over Residuated De Morgan Lattices**. LTCS-Report 12-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2012.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-12-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-12-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2012/BoPe-LTCS-12-04.pdf

DOI: https://doi.org/10.25368/2022.188

Franz Baader, Stefan Borgwardt, and Barbara Morawska: **A Goal-Oriented Algorithm for Unification in $\mathcal{ELH}_{R^+}$ w.r.t. Cycle-Restricted Ontologies**. LTCS-Report 12-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2012.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-12-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-12-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2012/BaBM-LTCS-12-05.pdf

DOI: https://doi.org/10.25368/2022.189

Daniel Borchmann: **On Confident GCIs of Finite Interpretations**. LTCS-Report 12-06, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2012.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borc-LTCS-12-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Borc-LTCS-12-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2012/Borc-LTCS-12-06.pdf

DOI: https://doi.org/10.25368/2022.190

2011

Franz Baader, Nguyen Thanh Binh, Stefan Borgwardt, and Barbara Morawska: **Unification in the Description Logic $\mathcal{EL}$ Without the Top Concept**. LTCS-Report 11-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2011.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BBBM-LTCS-11-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BBBM-LTCS-11-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2011/BBBM-LTCS-11-01.pdf

DOI: https://doi.org/10.25368/2022.179

Stefan Borgwardt and Rafael Peñaloza: **Complementation and Inclusion of Weighted Automata on Infinite Trees: Revised Version**. LTCS-Report 11-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2011.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-11-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-11-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2011/BoPe-LTCS-11-02.pdf

DOI: https://doi.org/10.25368/2022.180

Rafael Peñaloza: **Towards a Tableau Algorithm for Fuzzy ALC with Product T-norm**. LTCS-Report 11-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2011.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Pena-LTCS-11-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Pena-LTCS-11-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2011/Pena-LTCS-11-03.pdf

DOI: https://doi.org/10.25368/2022.181

Stefan Borgwardt and Barbara Morawska: **Finding Finite Herbrand Models**. LTCS-Report 11-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2011.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoMo-LTCS-11-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoMo-LTCS-11-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2011/BoMo-LTCS-11-04.pdf

DOI: https://doi.org/10.25368/2022.182

Franz Baader, Stefan Borgwardt, and Barbara Morawska: **Unification in the Description Logic $\mathcal{EL}$ w.r.t. Cycle-Restricted TBoxes**. LTCS-Report 11-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2011.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-11-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaBM-LTCS-11-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2011/BaBM-LTCS-11-05.pdf

DOI: https://doi.org/10.25368/2022.183

Stefan Borgwardt and Rafael Peñaloza: **Undecidability of Fuzzy Description Logics**. LTCS-Report 11-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2011.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-11-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-LTCS-11-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2011/BoPe-LTCS-11-06.pdf

DOI: https://doi.org/10.25368/2022.184

2010

Franz Baader, Marcel Lippmann, and Hongkai Liu: **Adding Causal Relationships to DL-based Action Formalisms**. LTCS-Report 10-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2010.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaLiLi-LTCS-10-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaLiLi-LTCS-10-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2010/BaLiLi-LTCS-10-01.pdf

DOI: https://doi.org/10.25368/2022.174

Franz Baader and Barbara Morawska: **SAT Encoding of Unification in $\mathcal{EL}$**. LTCS-Report 10-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2010.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMo-LTCS-10-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaMo-LTCS-10-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2010/BaMo-LTCS-10-04.pdf

DOI: https://doi.org/10.25368/2022.177

Rafael Peñaloza and Anni-Yasmin Turhan: **Completion-based computation of least common subsumers with limited role-depth for $\mathcal{EL}$ and Prob-$\mathcal{EL}^{01}$**. LTCS-Report LTCS-10-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2010.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PenTur-ltcs-10-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PenTur-ltcs-10-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2010/PenTur-10-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2010/PenTur-10-02.ps

DOI: https://doi.org/10.25368/2022.175

Rafael Peñaloza and Anni-Yasmin Turhan: **Completion-based computation of most specific concepts with limited role-depth for $\mathcal{EL}$ and Prob-$\mathcal{EL}^{01}$**. LTCS-Report LTCS-10-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2010.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PenTur-ltcs-10-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PenTur-ltcs-10-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2010/PenTur-10-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2010/PenTur-10-03.ps

DOI: https://doi.org/10.25368/2022.176

Stefan Borgwardt and Rafael Peñaloza: **Complementation and Inclusion of Weighted Automata on Infinite Trees**. LTCS-Report LTCS-10-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2010.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-ltcs-10-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BoPe-ltcs-10-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2010/BoPe-LTCS-10-05.pdf

DOI: https://doi.org/10.25368/2022.178

2009

Conrad Drescher, Hongkai Liu, Franz Baader, Steffen Guhlemann, Uwe Petersohn, Peter Steinke, and Michael Thielscher: **Putting ABox Updates into Action**. LTCS-Report 09-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2009.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LTCS-Report09-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LTCS-Report09-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2009/LTCS-Report09-01.pdf

DOI: https://doi.org/10.25368/2022.170

Franz Baader, Martin Knechtel, and Rafael Peñaloza: **Computing Boundaries for Reasoning in Sub-Ontologies**. LTCS-Report 09-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2009.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKP-LTCS-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKP-LTCS-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2009/BaKP-LTCS-09.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2009/BaKP-LTCS-09.ps

DOI: https://doi.org/10.25368/2022.171

Rafael Peñaloza and Barış Sertkaya: **On the Complexity of Axiom Pinpointing in Description Logics**. LTCS-Report 09-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2009.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PeSe-LTCS-09-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#PeSe-LTCS-09-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2009/PeSe-LTCS-09-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2009/PeSe-LTCS-09-04.ps

DOI: https://doi.org/10.25368/2022.173

Franz Baader, Hongkai Liu, and Anees ul Mehdi: **Integrate Action Formalisms into Linear Temporal Description Logics**. LTCS-Report LTCS-09-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2009.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BMLSW-LTCS-09-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BMLSW-LTCS-09-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2009/LTCS-Report09-03.pdf

DOI: https://doi.org/10.25368/2022.172

2008

Franz Baader, Silvio Ghilardi, and Carsten Lutz: **LTL over Description Logic Axioms**. LTCS-Report 08-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2008.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LTCS-Report08-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LTCS-Report08-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2008/LTCS-Report08-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2008/LTCS-Report08-01.ps

DOI: https://doi.org/10.25368/2022.164

Felix Distel: **Model-based Most Specific Concepts in Description Logics with Value Restrictions**. 08-04, Institute for theoretical computer science, TU Dresden, Dresden, Germany, 2008.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Dist08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Dist08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2008/modelmscs.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2008/modelmscs.ps

DOI: https://doi.org/10.25368/2022.167

Franz Baader and Felix Distel: **Exploring finite models in the Description Logic $\mathcal{EL}_{\mathrm{gfp}}$**. LTCS-Report 08-05, Institute for Theoretical Computer Science, TU Dresden, Dresden, 2008.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaDi08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaDi08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2008/ModelExploration.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2008/ModelExploration.ps

DOI: https://doi.org/10.25368/2022.168

Franz Baader and Rafael Peñaloza: **Blocking and Pinpointing in Forest Tableaux**. LTCS-Report LTCS-08-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2008.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaPe-LTCS-07-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaPe-LTCS-07-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2008/BaPe-LTCS-08-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2008/BaPe-LTCS-08-02.ps

DOI: https://doi.org/10.25368/2022.165

Franz Baader and Rafael Peñaloza: **Pinpointing in Terminating Forest Tableaux**. LTCS-Report LTCS-08-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2008.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaPe-LTCS-08-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaPe-LTCS-08-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2008/BaPe-LTCS-08-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2008/BaPe-LTCS-08-03.ps

DOI: https://doi.org/10.25368/2022.166

Barış Sertkaya: **Some Computational Problems Related to Pseudo-intents**. LTCS-Report LTCS-08-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2008.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#sert-08-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#sert-08-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2008/sert-08-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2008/sert-08-06.ps

DOI: https://doi.org/10.25368/2022.169

2007

Franz Baader and Felix Distel: **A finite basis for the set of EL-implications holding in a finite model**. 07-02, Inst. für Theoretische Informatik, TU Dresden, Dresden, Germany, 2007.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Dist07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Dist07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2007/ELbasis.pdf

DOI: https://doi.org/10.25368/2022.160

Boontawee Suntisrivaraporn: **Module Extraction and Incremental Classification: A Pragmatic Approach for EL+ Ontologies**. LTCS-Report LTCS-07-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2007.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Sun-07-LTCS:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Sun-07-LTCS:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2007/Sun-07-LTCS.pdf

DOI: https://doi.org/10.25368/2022.161

2006

Franz Baader and Alexander Okhotin: **On Language Equations with One-sided Concatenation**. LTCS-Report LTCS-06-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2006.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderOkhotin-LTCS-06-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderOkhotin-LTCS-06-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2006/BaaderOkhotin-LTCS-06-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2006/BaaderOkhotin-LTCS-06-01.ps

DOI: https://doi.org/10.25368/2022.154

Franz Baader, Bernhard Ganter, Ulrike Sattler, and Baris Sertkaya: **Completing Description Logic Knowledge Bases using Formal Concept Analysis**. LTCS-Report LTCS-06-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2006.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BGSS-LTCS-06-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BGSS-LTCS-06-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2006/BGSS-LTCS-06-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2006/BGSS-LTCS-06-02.ps

DOI: https://doi.org/10.25368/2022.155

H. Liu, C. Lutz, M. Milicic, and F. Wolter: **Description Logic Actions with general TBoxes: a Pragmatic Approach**. LTCS-Report LTCS-06-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2006.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LiLuMiWo-LTCS-06-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LiLuMiWo-LTCS-06-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2006/LiLuMiWo-LTCS-06-03.pdf

DOI: https://doi.org/10.25368/2022.156

F. Baader, J. Hladik, and R. Penaloza: **PSPACE Automata with Blocking for Description Logics**. LTCS-Report LTCS-06-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2006.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaHlaPen-LTCS-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaHlaPen-LTCS-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2006/BaaHlaPen-LTCS-0604.pdf

DOI: https://doi.org/10.25368/2022.157

Rafael Penaloza: **Pinpointing in Tableaus**. LTCS-Report LTCS-06-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2006.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Penaloza-LTCS-06-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Penaloza-LTCS-06-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2006/Penaloza-LTCS-06-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2006/Penaloza-LTCS-06-05.ps

DOI: https://doi.org/10.25368/2022.158

Franz Baader and Rafael Penaloza: **Axiom Pinpointing in General Tableaux**. LTCS-Report LTCS-07-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2006.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderPenaloza-LTCS-07-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderPenaloza-LTCS-07-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2007/BaaderPenaloza-LTCS-07-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2007/BaaderPenaloza-LTCS-07-01.ps

DOI: https://doi.org/10.25368/2022.159

2005

F. Baader, S. Brandt, and C. Lutz: **Pushing the EL Envelope**. LTCS-Report LTCS-05-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderBrandtLutz-LTCS-05-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderBrandtLutz-LTCS-05-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/BaaderBrandtLutz-LTCS-05-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/BaaderBrandtLutz-LTCS-05-01.ps

DOI: https://doi.org/10.25368/2022.144

F. Baader, M. Milicic, C. Lutz, U. Sattler, and F. Wolter: **Integrating Description Logics and Action Formalisms for Reasoning about Web Services**. LTCS-Report LTCS-05-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BMLSW-LTCS-05-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BMLSW-LTCS-05-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/BMLSW-LTCS-05-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/BMLSW-LTCS-05-02.ps

DOI: https://doi.org/10.25368/2010.145

C. Lutz, D. Walther, and F. Wolter: **Quantitative Temporal Logics: PSpace and below**. LTCS-Report LTCS-05-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzWaltherWolter-LTCS-05-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzWaltherWolter-LTCS-05-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/LutzWaltherWolter-LTCS-05-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/LutzWaltherWolter-LTCS-05-03.ps

DOI: https://doi.org/10.25368/2022.146

Franz Baader and Silvio Ghilardi: **Connecting Many-Sorted Theories**. LTCS-Report LTCS-05-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderGhilardiLTCS-05-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderGhilardiLTCS-05-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/BaaderGhilardiLTCS-05-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/BaaderGhilardiLTCS-05-04.ps

DOI: https://doi.org/10.25368/2022.147

C. Lutz: **PDL with Intersection and Converse is Decidable**. LTCS-Report LTCS-05-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-05-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-05-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/Lutz-LTCS-05-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/Lutz-LTCS-05-05.ps

DOI: https://doi.org/10.25368/2022.148

P. Bonatti, C. Lutz, and F. Wolter: **Expressive Non-Monotonic Description Logics Based on Circumscription**. LTCS-Report LTCS-05-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BonattiLutzWolter-LTCS-05-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BonattiLutzWolter-LTCS-05-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/BonattiLutzWolter-LTCS-05-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/BonattiLutzWolter-LTCS-05-06.ps

DOI: https://doi.org/10.25368/2022.149

C. Lutz and M. Milicic: **A Tableau Algorithm for DLs with Concrete Domains and GCIs**. LTCS-Report LTCS-05-07, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzMilicic-LTCS-05-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzMilicic-LTCS-05-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/LutzMilicic-LTCS-05-07.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/LutzMilicic-LTCS-05-07.ps

DOI: https://doi.org/10.25368/2022.150

Franz Baader, Carsten Lutz, Eldar Karabaev, and Manfred Theißen: **A New n-ary Existential Quantifier in Description Logics**. LTCS-Report LTCS-05-08, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderEtAll-LTCS-05-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderEtAll-LTCS-05-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/BaaderEtAl-LTCS-05-08.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/BaaderEtAl-LTCS-05-08.ps

DOI: https://doi.org/10.25368/2022.151

C. Lutz: **Complexity and Succinctness of Public Announcement Logic**. LTCS-Report LTCS-05-09, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-05-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-05-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/Lutz-LTCS05-09.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/Lutz-LTCS05-09.ps

DOI: https://doi.org/10.25368/2022.152

H. Liu, C. Lutz, M. Milicic, and F. Wolter: **Updating Description Logic ABoxes**. LTCS-Report LTCS-05-10, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2005.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LiLuMiWo-LTCS-05-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LiLuMiWo-LTCS-05-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2005/LiLuMiWo-LTCS-05-10.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2005/LiLuMiWo-LTCS-05-10.ps

DOI: https://doi.org/10.25368/2022.153

2004

B. Morawska: **A nice Cycle Rule for Goal-Directed E-Unification**. LTCS-Report LTCS-04-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2004.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Morawska-LTCS-04-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Morawska-LTCS-04-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2004/Morawska-LTCS-04-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2004/Morawska-LTCS-04-01.ps

DOI: https://doi.org/10.25368/2022.138

F. Baader: **A Graph-Theoretic Generalization of the Least Common Subsumer and the Most Specific Concept in the Description Logic EL**. LTCS-Report LTCS-04-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2004.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-04-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-04-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2004/Baader-LTCS-04-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2004/Baader-LTCS-04-02.ps

DOI: https://doi.org/10.25368/2022.139

S. Brandt: **Reasoning in $\mathcal{ELH}$ w.r.t. General Concept Inclusion Axioms**. LTCS-Report LTCS-04-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2004.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Brandt-LTCS-04-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Brandt-LTCS-04-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2004/Brandt-LTCS-04-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2004/Brandt-LTCS-04-03.ps

DOI: https://doi.org/10.25368/2022.140

S. Brandt: **Subsumption and Instance Problem in $\mathcal{ELH}$ w.r.t. General TBoxes**. LTCS-Report LTCS-04-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2004.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Brandt-LTCS-04-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Brandt-LTCS-04-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2004/Brandt-LTCS-04-04.pdf

DOI: https://doi.org/10.25368/2022.141

C. Lutz and F. Wolter: **Modal Logics of Topological Relations**. LTCS-Report LTCS-04-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2004.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzWolter-LTCS-04-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzWolter-LTCS-04-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2004/LutzWolter-LTCS-04-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2004/LutzWolter-LTCS-04-05.ps

DOI: https://doi.org/10.25368/2022.142

C. Lutz and M. Milicic: **Description Logics with Concrete Domains and Functional Dependencies**. LTCS-Report LTCS-04-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2004.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzMilicic-LTCS-04-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzMilicic-LTCS-04-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2004/LutzMilicic-LTCS-04-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2004/LutzMilicic-LTCS-04-06.ps

DOI: https://doi.org/10.25368/2022.143

2003

S. Brandt, A.-Y. Turhan, and R. Küsters: **Foundations of non-standard Inferences for Description Logics with transitive Roles and Role Hierarchies**. LTCS-Report 03-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2003.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BrTuKu-LTCS-03-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BrTuKu-LTCS-03-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2003/BrTuKu-LTCS-03-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2003/BrTuKu-LTCS-03-02.ps

DOI: https://doi.org/10.25368/2022.127

F. Baader: **The Instance Problem and the Most Specific Concept in the Description Logic $\mathcal{EL}$ w.r.t. Terminological Cycles with Descriptive Semantics**. LTCS-Report LTCS-03-01, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2003.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-03-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-03-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2003/Baader-LTCS-03-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2003/Baader-LTCS-03-01.ps

DOI: https://doi.org/10.25368/2022.126

B. Morawska: **Completness of E-unification with eager Variable Elimination**. LTCS-Report LTCS-03-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2003.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Morawska-LTCS-03-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Morawska-LTCS-03-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2003/Morawska-LTCS-03-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2003/Morawska-LTCS-03-03.ps

DOI: https://doi.org/10.25368/2022.128

C. Lutz and D. Walther: **PDL with Negation of Atomic Programs**. LTCS-Report LTCS-03-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2003.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LuWa-LTCS-03-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LuWa-LTCS-03-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2003/LuWa-LTCS-03-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2003/LuWa-LTCS-03-04.ps

DOI: https://doi.org/10.25368/2022.129

F. Baader, Silvio Ghilardi, and Cesare Tinelli: **A New Combination Procedure for the Word Problem that Generalizes Fusion Decidability Results in Modal Logics**. LTCS-Report LTCS-03-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2003.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaGiTiLTCS-03-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaGiTiLTCS-03-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2003/BaTiGiLTCS-03-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2003/BaTiGiLTCS-03-05.ps

DOI: https://doi.org/10.25368/2022.130

2002

S. Brandt and A.-Y. Turhan: **An Approach for Optimizing ALE-Approximation of ALC-Concepts**. LTCS-Report 02-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BrTu-LTCS-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BrTu-LTCS-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/BrandtTurhan-LTCS-02-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/BrandtTurhan-LTCS-02-03.ps

DOI: https://doi.org/10.25368/2022.121

C. Lutz: **Reasoning about Entity Relationship Diagrams with Complex Attribute Dependencies**. LTCS-Report LTCS-02-01, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-02-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-02-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/Lutz-LTCS-02-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/Lutz-LTCS-02-01.ps

DOI: https://doi.org/10.25368/2022.119

F. Baader: **Terminological Cycles in a Description Logic with Existential Restrictions**. LTCS-Report LTCS-02-02, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-02-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-02-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/Baader-LTCS-02-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/Baader-LTCS-02-02.ps

DOI: https://doi.org/10.25368/2022.120

C. Lutz, C. Areces, I. Horrocks, and U. Sattler: **Keys, Nominals, and Concrete Domains**. LTCS-Report LTCS-02-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutAreHorSat-LTCS-02-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutAreHorSat-LTCS-02-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/LutAreHorSat-LTCS-02-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/LutAreHorSat-LTCS-02-04.ps

DOI: https://doi.org/10.25368/2022.122

C. Lutz, U. Sattler, and L. Tendera: **The Complexity of Finite Model Reasoning in Description Logics**. LTCS-Report LTCS-02-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzSattlerTendera-LTCS-02-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzSattlerTendera-LTCS-02-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/LutzSattlerTendera-LTCS-02-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/LutzSattlerTendera-LTCS-02-05.ps

DOI: https://doi.org/10.25368/2022.123

I. Horrocks and U. Sattler: **Decidability of SHIQ with Complex Role Inclusion Axioms**. LTCS-Report LTCS-02-06, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksSattler-LTCS-02-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksSattler-LTCS-02-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/HorrocksSattler-LTCS-02-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/HorrocksSattler-LTCS-02-06.ps

DOI: https://doi.org/10.25368/2022.124

F. Baader: **Least Common Subsumers, Most Specific Concepts, and Role-Value-Maps in a Description Logic with Existential Restrictions and Terminological Cycles**. LTCS-Report LTCS-02-07, Chair for Automata Theory, Institute for Theoretical Computer Science, Dresden University of Technology, Germany, 2002.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-02-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-02-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2002/Baader-LTCS-02-07.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2002/Baader-LTCS-02-07.ps

DOI: https://doi.org/10.25368/2022.125

2001

F. Baader, S. Brandt, and R. Küsters: **Matching under Side Conditions in Description Logics**. LTCS-Report 01-02, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderBrandt+-LTCS-01-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderBrandt+-LTCS-01-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/BaaderBrandt+-LTCS-01-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/BaaderBrandt+-LTCS-01-02.ps

DOI: https://doi.org/10.25368/2022.112

F. Baader and S. Tobies: **The Inverse Method Implements the Automata Approach for Modal Satisfiability**. LTCS-Report 01-03, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderTobies-LTCS-01-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderTobies-LTCS-01-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/BaaderTobies-LTCS-01-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/BaaderTobies-LTCS-01-03.ps

DOI: https://doi.org/10.25368/2022.113

F. Baader and R. Küsters: **Unification in a Description Logic with Transitive Closure of Roles**. LTCS-Report 01-05, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-01-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-01-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/BaaderKuesters-LTCS-01-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/BaaderKuesters-LTCS-01-05.ps

DOI: https://doi.org/10.25368/2022.115

S. Brandt, R. Küsters, and A.-Y. Turhan: **Approximation and Difference in Description Logics**. LTCS-Report 01-06, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BrandtKuesters+-LTCS-01-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BrandtKuesters+-LTCS-01-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/BrandtKuesters+-LTCS-01-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/BrandtKuesters+-LTCS-01-06.ps

DOI: https://doi.org/10.25368/2022.116

C. Lutz, H. Sturm, F. Wolter, and M. Zakharyaschev: **A Tableau Calculus for Temporal Description Logic: The Constant Domain Case**. LTCS-Report LTCS-01-01, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LuStuWoZa-LTCS-01-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LuStuWoZa-LTCS-01-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/LuStuWoZa-LTCS-01-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/LuStuWoZa-LTCS-01-01.ps

DOI: https://doi.org/10.25368/2022.111

C. Lutz, U. Sattler, and F. Wolter: **Modal Logic and the two-variable fragment**. LTCS-Report LTCS-01-04, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzSattlerWolter-LTCS-01-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LutzSattlerWolter-LTCS-01-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/LutzSattlerWolter-LTCS-01-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/LutzSattlerWolter-LTCS-01-04.ps

DOI: https://doi.org/10.25368/2022.114

C. Lutz: **Adding Numbers to the $\mathcal{SHIQ}$ Description Logic—First Results**. LTCS-Report LTCS-01-07, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-01-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-01-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/Lutz-LTCS-01-07.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/Lutz-LTCS-01-07.ps

DOI: https://doi.org/10.25368/2022.117

I. Horrocks and U. Sattler: **Optimised Reasoning for SHIQ**. LTCS-Report LTCS-01-08, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2001.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksSattler-LTCS-01-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksSattler-LTCS-01-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2001/HorrocksSattler-LTCS-01-08.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2001/HorrocksSattler-LTCS-01-08.ps

DOI: https://doi.org/10.25368/2022.118

2000

F. Baader, R. Küsters, and R. Molitor: **Rewriting Concepts Using Terminologies – Revisited**. LTCS-Report 00-04, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuestersMolitor-LTCS-00-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuestersMolitor-LTCS-00-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/BaaderKuestersMolitor-LTCS-00-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/BaaderKuestersMolitor-LTCS-00-04.ps

DOI: https://doi.org/10.25368/2022.107

R. Küsters and R. Molitor: **Computing Most Specific Concepts in Description Logics with Existential Restrictions**. LTCS-Report 00-05, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KuestersMolitor-LTCS-00-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KuestersMolitor-LTCS-00-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/KuestersMolitor-LTCS-00-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/KuestersMolitor-LTCS-00-05.ps

DOI: https://doi.org/10.25368/2022.108

R. Küsters and R. Molitor: **Computing Least Common Subsumers in ALEN**. LTCS-Report 00-07, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KuestersMolitor-LTCS-00-07:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KuestersMolitor-LTCS-00-07:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/KuestersMolitor-LTCS-00-07.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/KuestersMolitor-LTCS-00-07.ps

DOI: https://doi.org/10.25368/2022.110

C. Lutz: **NExpTime-complete Description Logics with Concrete Domains**. LTCS-Report LTCS-00-01, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-00-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-00-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/Lutz-LTCS-00-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/Lutz-LTCS-00-01.ps

DOI: https://doi.org/10.25368/2022.104

C. Lutz and U. Sattler: **The Complexity of Reasoning with Boolean Modal Logics (Extended Version)**. LTCS-Report LTCS-00-02, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-Sattler-LTCS-00-02:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-Sattler-LTCS-00-02:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/LutzSattler-LTCS-00-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/LutzSattler-LTCS-00-02.ps

DOI: https://doi.org/10.25368/2022.105

C. Hirsch and S. Tobies: **A Tableaux Algorithm for the Clique Guarded Fragment, Preliminary Version**. LTCS-Report LTCS-00-03, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Hirsch-Tobies-LTCS-00-03:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/HirschTobies-LTCS-2000.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/HirschTobies-LTCS-2000.ps

DOI: https://doi.org/10.25368/2022.106

C. Lutz: **Interval-based Temporal Reasoning with General TBoxes**. LTCS-Report LTCS-00-06, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 2000.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-00-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-00-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/2000/Lutz-LTCS-00-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/2000/Lutz-LTCS-00-06.ps

DOI: https://doi.org/10.25368/2022.109

1999

F. Baader, R. Küsters, and R. Molitor: **Rewriting Concepts Using Terminologies – Revisited**. LTCS-Report 99-12, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuestersMolitor-LTCS-99-12:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuestersMolitor-LTCS-99-12:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderKuestersMolitor-LTCS-99-12.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderKuestersMolitor-LTCS-99-12.ps

DOI: https://doi.org/10.25368/2022.97

Franz Baader and Cesare Tinelli: **Combining Equational Theories Sharing Non-Collapse-Free Constructors**. 99-13, Department of Computer Science, University of Iowa, October 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Tinelli-Report-99-13:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Tinelli-Report-99-13:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/Baader-Tinelli-Report-99-13.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/Baader-Tinelli-Report-99-13.ps

DOI: https://doi.org/10.25368/2022.98

A. Borgida and R. Küsters: **What's not in a name? Initial Explorations of a Structural Approach to Integrating Large Concept Knowledge-Bases**. DCS-TR-391, Rutgers University, USA, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BorgidaKuesters-DCS-TR-391-1999:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/BorgidaKuesters-DCS-TR-391-1999.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/BorgidaKuesters-DCS-TR-391-1999.ps

R. Küsters and A. Borgida: **What's in an Attribute? Consequences for the Least Common Subsumer**. DCS-TR-404, Rutgers University, USA, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KuestersBorgida-DCS-TR-404-1999:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KuestersBorgida-DCS-TR-404-1999:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/KuestersBorgida-DCS-TR-404-1999.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/KuestersBorgida-DCS-TR-404-1999.ps

C. Lutz: **The Complexity of Reasoning with Concrete Domains (Revised Version)**. LTCS-Report LTCS-99-01, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-99-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-99-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/Lutz-LTCS-99-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/Lutz-LTCS-99-01.ps

DOI: https://doi.org/10.25368/2022.88

M.-S. Hacid and C. Rigotti: **Representing and Reasoning on Conceptual Queries Over Image Databases**. LTCS-Report LTCS-99-02, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Hacid-Rigotti-LTCS-99:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Hacid-Rigotti-LTCS-99:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/HacidRigotti-LTCS-99-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/HacidRigotti-LTCS-99-02.ps

DOI: https://doi.org/10.25368/2022.89

C. Decleir, M.-S. Hacid, and J. Kouloumdjian: **A Database Approach for Modeling and Querying Video Data**. LTCS-Report LTCS-99-03, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Decleir-Hacid-Kouloumdjian-LTCS-99:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Decleir-Hacid-Kouloumdjian-LTCS-99:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/DecleirHacid+-LTCS-99-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/DecleirHacid+-LTCS-99-03.ps

DOI: https://doi.org/10.25368/2022.90

C. Lutz: **On the Complexity of Terminological Reasoning**. LTCS-Report LTCS-99-04, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-99-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Lutz-LTCS-99-04:abstract

S. Tobies: **A NEXPTIME-complete Description Logic Strictly Contained in C^2**. LTCS-Report LTCS-99-05, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Tobies-LTCS-99-05:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Tobies-LTCS-99-05:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/Tobies-LTCS-99-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/Tobies-LTCS-99-05.ps

DOI: https://doi.org/10.25368/2022.91

F. Baader and R. Molitor: **Rewriting Concepts using Terminologies**. LTCS-Report LTCS-99-06, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderMolitor-LTCS-99-06:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderMolitor-LTCS-99-06:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderMolitor-LTCS-99-06.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderMolitor-LTCS-99-06.ps

DOI: https://doi.org/10.25368/2022.92

F. Baader and R. Küsters: **Matching in Description Logics with Existential Restrictions**. LTCS-Report LTCS-99-07, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-99-07-1999:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-99-07-1999:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderKuesters-LTCS-99-07-1999.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderKuesters-LTCS-99-07-1999.ps

DOI: https://doi.org/10.25368/2022.93

I. Horrocks, U. Sattler, and S. Tobies: **A Description Logic with Transitive and Converse Roles, Role Hierarchies and Qualifying Number Restrictions**. LTCS-Report LTCS-99-08, LuFG Theoretical Computer Science, RWTH Aachen, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HoSatTob-LTCS-99-08:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HoSatTob-LTCS-99-08:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/HorrocksSattlerTobies-LTCS-99-08.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/HorrocksSattlerTobies-LTCS-99-08.ps

DOI: https://doi.org/10.25368/2022.94

S. Tobies: **A PSpace-algorithm for ALCQI-satisfiability**. LTCS-Report LTCS-99-09, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Tobies-LTCS-99-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Tobies-LTCS-99-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/Tobies-LTCS-99-09.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/Tobies-LTCS-99-09.ps

DOI: https://doi.org/10.25368/2022.95

S. Tobies: **PSpace Reasoning for DLs with Qualifying Number Restrictions**. LTCS-Report LTCS-99-11, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Tobies-LTCS-99-11:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Tobies-LTCS-99-11:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/Tobies-LTCS-99-11.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/Tobies-LTCS-99-11.ps

DOI: https://doi.org/10.25368/2022.96

F. Baader and R. Küsters: **Matching Concept Descriptions with Existential Restrictions Revisited**. LTCS-Report LTCS-99-13, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-99-13-1999:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-99-13-1999:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderKuesters-LTCS-99-13-1999.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/BaaderKuesters-LTCS-99-13-1999.ps

DOI: https://doi.org/10.25368/2022.98

I. Horrocks and S. Tobies: **Optimisation of Terminological Reasoning**. LTCS-Report LTCS-99-14, LuFG Theoretical Computer Science, RWTH Aachen, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksTobies-LTCS-99-14:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksTobies-LTCS-99-14:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/HorrocksTobies-LTCS-99-14.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/HorrocksTobies-LTCS-99-14.ps

DOI: https://doi.org/10.25368/2022.99

I. Horrocks, U. Sattler, S. Tessaris, and S. Tobies: **Query Containment Using a DLR ABox**. LTCS-Report LTCS-99-15, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1999.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksSattler+-LTCS-99-15:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HorrocksSattler+-LTCS-99-15:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1999/HorrocksSattler+-LTCS-99-15.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1999/HorrocksSattler+-LTCS-99-15.ps

DOI: https://doi.org/10.25368/2022.100

1998

Martin Leucker and Stephan Tobies: **Truth—A Platform for Verification of Distributed Systems**. Aachener Informatik Bericht 98-05, RWTH Aachen, May 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LeuckerTobies-AIB-98-5:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#LeuckerTobies-AIB-98-5:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/LeuckerTobies-AIB-98-5.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/LeuckerTobies-AIB-98-5.ps

DOI: https://doi.org/10.25368/2022.81

C.B. Tresp and R. Molitor: **A Description Logic for Vague Knowledge**. LTCS-Report LTCS-98-01, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#TrespMolitor-LTCS-98-01:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#TrespMolitor-LTCS-98-01:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/TrespMolitor-LTCS-98-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/TrespMolitor-LTCS-98-01.ps

DOI: https://doi.org/10.25368/2022.77

F. Baader and U. Sattler: **Description Logics with Aggregates and Concrete Domains, Part II (extended)**. LTCS-Report LTCS-98-02, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaSat98:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderSattler-LTCS-98-02.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderSattler-LTCS-98-02.ps

DOI: https://doi.org/10.25368/2022.78

R. Molitor: **Structural Subsumption for $\mathcal{ALN}$**. LTCS-Report LTCS-98-03, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Molitor-LTCS-98-03:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/Molitor-LTCS-98-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/Molitor-LTCS-98-03.ps

DOI: https://doi.org/10.25368/2022.79

F. Baader, R. Küsters, and R. Molitor: **Structural Subsumption Considered from an Automata Theoretic Point of View**. LTCS-Report LTCS-98-04, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuestersMolitor-LTCS-98-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuestersMolitor-LTCS-98-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderKuestersMolitor-LTCS-98-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderKuestersMolitor-LTCS-98-04.ps

DOI: https://doi.org/10.25368/2022.80

I. Horrocks and U. Sattler: **A Description Logic with Transitive and Converse Roles and Role Hierarchies**. LTCS-Report LTCS-98-05, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HoSat98:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/HorrocksSattler-LTCS-98-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/HorrocksSattler-LTCS-98-05.ps

DOI: https://doi.org/10.25368/2022.81

F. Baader and R. Küsters: **Computing the least common subsumer and the most specific concept in the presence of cyclic ALN-concept descriptions**. LTCS-Report LTCS-98-06, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-98-06-1998:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters-LTCS-98-06-1998:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderKuesters-LTCS-98-06-1998.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderKuesters-LTCS-98-06-1998.ps

DOI: https://doi.org/10.25368/2022.82

F. Baader and P. Narendran: **Unification of Concept Terms in Description Logics: Revised Version**. LTCS-Report LTCS-98-07, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Narendran-LTCS-98:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Narendran-LTCS-98:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/Baader-Narendran-LTCS-98.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/Baader-Narendran-LTCS-98.ps

DOI: https://doi.org/10.25368/2022.83

I. Horrocks, U. Sattler, and S. Tobies: **A PSpace-algorithm for deciding $\mathcal{ALCNI}_{R^+}$-satisfiability**. LTCS-Report LTCS-98-08, LuFG Theoretical Computer Science, RWTH Aachen, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HoSatTob98:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#HoSatTob98:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/HorrocksSattlerTobies-LTCS-98-08.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/HorrocksSattlerTobies-LTCS-98-08.ps

DOI: https://doi.org/10.25368/2022.84

F. Baader, R. Küsters, and R. Molitor: **Computing Least Common Subsumers in Description Logics with Existential Restrictions**. LTCS-Report LTCS-98-09, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters+-LTCS-98-09:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderKuesters+-LTCS-98-09:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderKuestersMolitor-LTCS-98-09.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderKuestersMolitor-LTCS-98-09.ps

DOI: https://doi.org/10.25368/2022.85

F. Baader, R. Molitor, and S. Tobies: **The Guarded Fragment of Conceptual Graphs**. LTCS-Report LTCS-98-10, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Molitor-Tobies-LTCS-98a:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Molitor-Tobies-LTCS-98a:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderMolitorTobies-LTCS-98-10.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderMolitorTobies-LTCS-98-10.ps

DOI: https://doi.org/10.25368/2022.86

F. Baader, R. Molitor, and S. Tobies: **On the Relation between Descripion Logics and Conceptual Graphs**. LTCS-Report LTCS-98-11, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderMolitorTobies-LTCS-98-11:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderMolitorTobies-LTCS-98-11.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/BaaderMolitorTobies-LTCS-98-11.ps

DOI: https://doi.org/10.25368/2022.87

F. Baader and C. Tinelli: **Deciding the Word Problem in the Union of Equational Theories**. UIUCDCS-Report UIUCDCS-R-98-2073, Department of Computer Science, University of Illinois at Urbana-Champaign, 1998.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Tinelli-UIUCDCS-R-98-2073:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Tinelli-UIUCDCS-R-98-2073:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1998/Baader-Tinelli-UIUCDCS-R-98-2073.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1998/Baader-Tinelli-UIUCDCS-R-98-2073.ps

1997

Franz Baader and Klaus U. Schulz: **Unification Theory – An Introduction**. Research Report CIS-Rep-97-103, Center for Language and Information Processing (CIS), Oettingenstraße 67, D-80538 Munich, Germany, January 1997.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderSchulz-CIS-97-103:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderSchulz-CIS-97-103:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1997/CIS-97-103.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1997/CIS-97-103.ps

F. Baader and U. Sattler: **Description Logics with Aggregates and Concrete Domains**. LTCS-Report LTCS-97-01, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1997.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaSat97:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaSat97:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1997/BaaSat-LTCS97-01.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1997/BaaSat-LTCS97-01.ps

DOI: https://doi.org/10.25368/2022.73

F. Baader and P. Narendran: **Unification of Concept Terms in Description Logics**. LTCS-Report LTCS-97-02, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1997.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Narendran-LTCS-97:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Narendran-LTCS-97:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1997/Baader-Narendran-LTCS-97.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1997/Baader-Narendran-LTCS-97.ps

DOI: https://doi.org/10.25368/2022.134

F. Baader: **On the Complexity of Boolean Unification**. LTCS-Report LTCS-97-03, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1997.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-97-03:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-97-03:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1997/Baader-LTCS-97-03.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1997/Baader-LTCS-97-03.ps

DOI: https://doi.org/10.25368/2022.74

R. Küsters: **Characterizing the semantics of terminological cycles in $\mathcal{ALN}$ using finite automata**. LTCS-Report LTCS-97-04, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1997.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kuesters-LTCS-97-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Kuesters-LTCS-97-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1997/Kuesters-LTCS-97-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1997/Kuesters-LTCS-97-04.ps

DOI: https://doi.org/10.25368/2022.75

M. S. Hacid, P. Marcel, and C. Rigotti: **A rule based data manipulation language for OLAP systems**. LTCS-Report LTCS-97-05, LuFg Theoretical Computer Science, RWTH Aachen, 1997.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Hacid&al97a:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Hacid&al97a:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1997/Hacid-LTCS-97-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1997/Hacid-LTCS-97-05.ps

DOI: https://doi.org/10.25368/2022.76

1996

F. Baader and C. Tinelli: **A New Approach for Combining Decision Procedures for the Word Problem, and Its Connection to the Nelson-Oppen Combination Method**. LTCS-Report LTCS-96-01, LuFg Theoretical Computer Science, RWTH Aachen, 1996.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Tinelli-LTCS-96:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-Tinelli-LTCS-96:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1996/Baader-Tinelli-LTCS-96.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1996/Baader-Tinelli-LTCS-96.ps

DOI: https://doi.org/10.25368/2022.69

F. Baader and U. Sattler: **Number Restrictions on Complex Roles in Description Logics**. LTCS-96-02, LuFg Theoretical Computer Science, RWTH Aachen, 1996.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderSattler-LTCS-96-02:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1996/BaaderSattler-LTCS2.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1996/BaaderSattler-LTCS2.ps

DOI: https://doi.org/10.25368/2022.70

F. Baader and U. Sattler: **Description Logics with Symbolic Number Restrictions**. LTCS-96-03, LuFg Theoretical Computer Science, RWTH Aachen, 1996.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderSattler-LTCS-96-03:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1996/BaaderSattler-LTCS3.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1996/BaaderSattler-LTCS3.ps

DOI: https://doi.org/10.25368/2022.71

S. Kepser and J. Richts: **Optimisation Techniques for Combining Constraint Solvers**. LTCS-Report LTCS-96-04, LuFG Theoretical Computer Science, RWTH Aachen, Germany, 1996.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KepserRichts-LTCS-96-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KepserRichts-LTCS-96-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1996/LTCS-Rep-96-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1996/LTCS-Rep-96-04.ps

DOI: https://doi.org/10.25368/2022.72

F. Baader: **Combination of Compatible Reduction Orderings that are Total on Ground Terms**. LTCS-Report LTCS-96-05, LuFg Theoretical Computer Science, RWTH Aachen, Germany, 1996.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-96:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#Baader-LTCS-96:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1996/Baader-LTCS-96.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1996/Baader-LTCS-96.ps

DOI: https://doi.org/10.25368/2022.68

1995

Franz Baader and Hans Jürgen Ohlbach: **A Multi-Dimensional Terminological Knowledge Representation Language**. Technical Report MPI-I-95-2-005, Max-Planck-Institut für Informatik, Saarbrücken, 1995.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MPI-I-95-2-005:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MPI-I-95-2-005:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1995/MPI-I-95-2-05.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1995/MPI-I-95-2-05.ps

1994

F. Baader and K. Schulz: **On the Combination of Symbolic Constraints, Solution Domains, and Constraint Solvers**. CIS-Report 94-82, Universität München, 1994.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CIS-94-82:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CIS-94-82:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1994/CIS-94-82.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1994/CIS-94-82.ps

Franz Baader and Klaus U. Schulz: **Combination of Constraint Solving Techniques: An Algebraic Point of View**. Research Report CIS-Rep-94-75, Center for Language and Information Processing (CIS), Wagmüllerstraße 23, D-80538 Munich, Germany, July 1994.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderSchulz-CIS-94-75:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaaderSchulz-CIS-94-75:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1994/CIS-94-75.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1994/CIS-94-75.ps

F. Baader and A. Laux: **Terminological Logics with Modal Operators**. DFKI Research Report RR-94-33, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1994.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-94-33:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-94-33:abstract

1993

F. Baader and H.-J. Ohlbach: **A Multi-Dimensional Terminological Knowledge Representation Language**. MPII Report MPI-I-93-212, Max-Planck-Institut für Informatik, Saarbrücken, 1993.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#MPII-I-93-212:bibtex

F. Baader, B. Hollunder, B. Nebel, H.J. Profitlich, and E. Franconi: **An Empirical Analysis of Optimization Techniques for Terminological Representation Systems, or: Making KRIS get a move on**. DFKI Research Report RR-93-03, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1993.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-03:bibtex

F. Baader and K. Schulz: **Combination Techniques and Decision Problems for Disunification**. DFKI Research Report RR-93-05, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1993.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-05:bibtex

F. Baader and K. Schlechta: **A Semantics for Open Normal Defaults via a Modified Preferential Approach**. DFKI Research Report RR-93-13, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1993.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-13:bibtex

F. Baader and B. Hollunder: **Embedding Defaults into Terminological Representation Systems**. DFKI Research Report RR-93-20, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1993.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-20:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-20:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1993/DFKI-RR-93-20.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1993/DFKI-RR-93-20.ps

F. Baader, M. Buchheit, and B. Hollunder: **Cardinality Restrictions on Concepts**. DFKI Research Report RR-93-48, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1993.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-48:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-93-48:abstract

1992

F. Baader and K. Schulz: **General A- and AX-Unification via Optimized Combination Procedures**. CIS-Report 92-58, Universität München, 1992.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#CIS-92-58:bibtex

Jörn Richts: **Allgemeine AC-Unifikation durch Variablenabstraktion mit Fremdtermbedingungen**. Seki Working Paper SWP–92–12, Fachbereich Informatik, Universität Kaiserslautern, Postfach 3049, D–67663 Kaiserslautern, Germany, 1992.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#SWP-92-12:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#SWP-92-12:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1992/SEKI-SWP-92-12.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1992/SEKI-SWP-92-12.ps

F. Baader: **Unification Theory**. DFKI Research Report RR-92-33, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1992.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-92-33:bibtex

F. Baader and P. Hanschke: **Extensions of Concept Languages for a Mechanical Engineering Application**. DFKI Research Report RR-92-36, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1992.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-92-36:bibtex

F. Baader and B. Hollunder: **How to Prefer More Specific Defaults in Terminological Default Logic**. DFKI Research Report RR-92-58, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1992.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-92-58:bibtex

1991

F. Baader, H.-J. Bürckert, B. Nebel, W. Nutt, and G. Smolka: **On the Expressivity of Feature Logics with Negation, Functional Uncertainty, and Sort Equations**. DFKI Research Report RR-91-01, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1991.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-91-01:bibtex

B. Hollunder and F. Baader: **Qualifying Number Restrictions in Concept Languages**. DFKI Research Report RR-91-03, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1991.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-91-03:bibtex

F. Baader and P. Hanschke: **A Scheme for Integrating Concrete Domains into Concept Languages**. DFKI Research Report RR-91-10, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1991.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-91-10:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-91-10:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1991/DFKI-RR-91-10.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1991/DFKI-RR-91-10.ps

F. Baader and K. Schulz: **Unification in the Union of Disjoint Equational Theories: Combining Decision Procedures**. DFKI Research Report RR-91-33, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1991.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-91-33:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-91-33:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1991/DFKI-RR-91-33.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1991/DFKI-RR-91-33.ps

1990

F. Baader: **Terminological Cycles in KL-ONE-based Knowledge Representation Languages**. DFKI Research Report RR-90-01, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-90-01:bibtex

F. Baader: **A Formal Definition for Expressive Power of Knowledge Representation Languages**. DFKI Research Report RR-90-05, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-90-05:bibtex

F. Baader, H.-J. Bürckert, B. Hollunder, W. Nutt, and J. Siekmann: **Concept Logic**. DFKI Research Report RR-90-10, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-90-10:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1990/DFKI-RR-90-10.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1990/DFKI-RR-90-10.ps

F. Baader: **Augmenting Concept Languages by Transitive Closure of Roles: An Alternative to Terminological Cycles**. DFKI Research Report RR-90-13, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-90-13:bibtex

PDF File: https://lat.inf.tu-dresden.de/research/reports/1990/DFKI-RR-90-13.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1990/DFKI-RR-90-13.ps

F. Baader and W. Nutt: **Adding Homomorphisms to Commutative/Monoidal Theories, or: How Algebra Can Help in Equational Unification**. DFKI Research Report RR-90-16, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-RR-90-16:bibtex

F. Baader: **Unification in Commutative Theories, Hilbert's Basis Theorem and Gröbner Bases**. SEKI Report SR-90-1, Universität Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#SEKI-SR-90-1:bibtex

F. Baader: **Unification, Weak Unification, Upper Bound, Lower Bound and Generalization Problems**. SEKI Report SR-90-2, Universität Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#SEKI-SR-90-2:bibtex

F. Baader and B. Hollunder: **KRIS: Knowledge Representation and Inference System, System Description**. DFKI Technical Memo TM-90-03, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-TM-90-03:bibtex

F. Baader, H.-J. Bürckert, J. Heinsohn, J. Müller, B. Hollunder, B. Nebel, W. Nutt, and H.-J. Profitlich: **Terminological Knowledge Representation: A Proposal for a Terminological Logic**. DFKI Technical Memo TM-90-04, Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern, 1990.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-TM-90-04:bibtex

Abstract: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#DFKI-TM-90-04:abstract

PDF File: https://lat.inf.tu-dresden.de/research/reports/1990/DFKI-TM-90-04.pdf

PS File: https://lat.inf.tu-dresden.de/research/reports/1990/DFKI-TM-90-04.ps

1989

F. Baader: **Unifikation und Reduktionssysteme für Halbgruppenvarietäten**. Arbeitsbericht 8, Institut für Mathematische Maschinen und Datenverarbeitung, Universität Erlangen, 1989.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#IMMD-89-22-8:bibtex

1985

F. Baader: **Die S-Varietät DS und einige Untervarietäten**. Arbeitsbericht 8, Institut für Mathematische Maschinen und Datenverarbeitung, Universität Erlangen, 1985.

BibTeX Entry: https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#IMMD-85-18-8:bibtex