Advanced Topics in Foundations of Databases, 2017/18

Material for Final Project and Essays

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Topic 7: Query Rewriting in OBDA

1. Shqiponja Ahmetaj, Magdalena Ortiz, Mantas Simkus: Polynomial Datalog Rewritings for Expressive Description Logics with Closed Predicates. IJCAI 2016: 878-885

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3. Georg Gottlob, Stanislav Kikot, Roman Kontchakov, Vladimir V. Podolskii, Thomas Schwentick, Michael Zakharyaschev: The price of query rewriting in ontology-based data access. Artif. Intell. 213: 42-59 (2014)

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5. Georg Gottlob, Giorgio Orsi, Andreas Pieris: Query Rewriting and Optimization for Ontological Databases. ACM Trans. Database Syst. 39(3): 25:1-25:46 (2014)

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7. Peter Hansen, Carsten Lutz, Inanç Seylan, Frank Wolter: Efficient Query Rewriting in the Description Logic EL and Beyond. IJCAI 2015: 3034-3040

8. Mélanie König, Michel Leclère, Marie-Laure Mugnier, Michaël Thomazo: Sound, complete and minimal UCQ-rewriting for existential rules. Semantic Web 6(5): 451-475 (2015)

9. Roman Kontchakov, Carsten Lutz, David Toman, Frank Wolter, Michael Zakharyaschev: The Combined Approach to Ontology-Based Data Access. IJCAI 2011: 2656-2661

10. Riccardo Rosati, Alessandro Almatelli: Improving Query Answering over DL-Lite Ontologies. KR 2010