

Advanced Topics in Foundations of Databases, 2016/17

Material for Final Project and Essays

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Topic 7: Semantic Web Data

1. Jorge Perez, Marcelo Arenas, Claudio Gutierrez: Semantics and complexity of SPARQL. ACM Trans. Database Syst. 34(3) (2009)
2. Marcelo Arenas, Jorge Perez: Querying semantic web data with SPARQL. PODS 2011: 305-316
3. Marcelo Arenas, Georg Gottlob, Andreas Pieris: Expressive languages for querying the semantic web. PODS 2014: 14-26
4. Leonid Libkin, Juan L. Reutter, Domagoj Vrgoc: Trial for RDF: adapting graph query languages for RDF data. PODS 2013: 201-212
5. Jorge Perez, Marcelo Arenas, Claudio Gutierrez: nSPARQL: A navigational language for RDF. J. Web Sem. 8(4): 255-270 (2010)
6. Marcelo Arenas, Sebastian Conca, Jorge Perez: Counting beyond a Yottabyte, or how SPARQL 1.1 property paths will prevent adoption of the standard. WWW 2012: 629-638
7. Katja Losemann, Wim Martens: The complexity of regular expressions and property paths in SPARQL. ACM Trans. Database Syst. 38(4): 24 (2013)