

DATABASE THEORY

Lecture 21: Recap Session

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Slides based on Material of Markus Krötzsch and David Carral

TU Dresden, 19th July 2021

Course Overview

- Introduction / Relational Model
- First-Order Queries
- Complexity of Query Answering
- Complexity of FO Query Answering (1+2)
- Conjunctive Queries
- Tree-Like Conjunctive Queries (1+2)
- Query Optimisation
- Conjunctive Query Optimisation
- Query Expressiveness

Course Overview ctd.

- Datalog Introduction
- Datalog Expressivity
- Datalog Evaluation (1+2)
- Graph Databases
- Regular Path Queries
- Dependencies
- The Chase
- Query Answering Beyond Acyclic TGDs