

Foundations of Databases

Query Languages

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Thomas Eiter

Institut für Informationssysteme

Arbeitsbereich Wissensbasierte Systeme (184/3)

Technische Universität Wien

`http://www.kr.tuwien.ac.at/staff/eiter`

Foundations of Databases

- Exact Syllabus available in the next days (to be aligned)
- Focus (Intended): Relational data model, more on query side
- Query languages, optimization, expressiveness, incomplete information, complexity
- Logic-based query languages, datalog

Teaching Materials

- Slides (based on own + others; courtesy Leonid Libkin)
- Books, papers (electronically available / copies)
- A good book: S. Abiteboul, R. Hull, and V. Vianu. *Foundations of Databases*, Addison-Wesley, 1995.

Exercises

- Homework
- Further Examples

Office Hour

- Available after the lectures, by appointment
- Email: eiter@kr.tuwien.ac.at