



# ADBS II

## PART B: Relational Query Processing



*Query Processing is comprising the upper part of a database system architecture and consists of multiple topics ranging from query representation, query optimization to different execution alternatives. Within this part of the lecture, we will outline traditional techniques deployed in many commercial database systems as well as research ideas to overcome current limitations.*

For query optimization, the interesting student may read this blog entry:

<http://wp.sigmod.org/?author=20>

### *Part B: Relational Query Processing*

- Query Compilation
- Query Optimization
- (Parallel) Plan Operators
- Adaptive Query Processing
- Query Execution in Virtual Environments
- Multi-Tenancy for hosted „Data-as-a-Service“ Environments