Methods and Tools for the Analysis of Legacy Software Systems Report 2. Logical dependencies in practice.

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Presentation of the research topic

The goal of the thesis is to develop methods for analyzing legacy software systems by using historical information extracted from the versioning systems. We divided our work into two main parts

- historical information collection and filtering
- usage of the collected information in order to analyze the software systems

State of the art in key classes detection

Definition

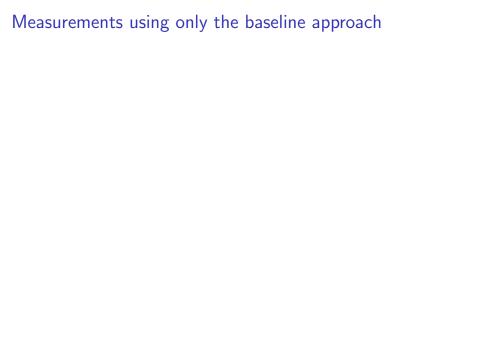
Metrics for results evaluation

Baseline approach

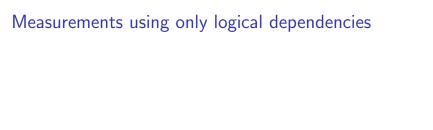
Data set used

Comparison with the baseline approach

Logical dependencies collection



Measurements using combined structural and logical dependencies





Conclusions