

Approximate Methods in Geometry

Practical Part

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Today's lecture: Profiling

Optimization

Rules of Optimization: Rule 1: Don't do it. Rule 2 (for experts only): Don't do it yet.

MICHAEL A. JACKSON

We should forget about small efficiencies, say about 97% of the time: premature optimization is the root of all evil.

C.A.R. HOARE, QUOTED BY DONALD KNUTH

Profiling

Measuring Computing Resources

Resources to Profile

- ▶ Memory
- ▶ CPU

Implemented by:

- ▶ Instrumentation
gcc's -pg together with gprof
- ▶ Statistical
google-perftools
- ▶ Events
Java, .NET