

Introdution to MAQAO

Pierre Aubert











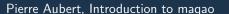
What is MAQAO?

It is a set of tools which use CPU emulation.

Maqao documentation (http://www.maqao.org/)

- Debugging informations :
 - To check the allocation/deallocation
 - To check the memory read/write
- Profiling informations :
 - ► To evaluate the time spent in each function of a program
 - To find the hot spots in a program
 - Branch-prediction
 - Heap usage







Aim of this tutorial

- How to evaluate a program with magao's cga tool?
 - cqa : Code Quality Analyser
 - Check compiler work
 - Static binary analysis (without code execution)
 - Understanding/Using report of binary analysis
 - Hints/Tricks to improve performances
- On a Hadamard product
- Cross-Check with performance evaluation tests

