ESCAPE 824064



Introdution to MAQAO

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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

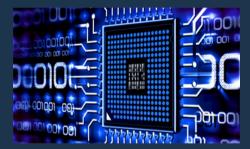




Aim of this tutorial

How to evaluate a program with maqao's cqa 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



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