

*Project Proposal*

subject: PGA in a Multi-core Setting

supervisor(s): Bob Diertens, Alban Ponse

programs: bachelor Computer Science, master Computer Science

required knowledge:

program algebra

course: Theoretische Aspecten van Programmatuur

description:

At <https://staff.fnwi.uva.nl/b.diertens/pga/> a description of the project PGA can be found. Currently, with the PGA Toolset concurrent execution of program stubs on a single core can be studied. Nowadays, everywhere there is multi-core hardware available, so it seems only logical to extent our field of study with concurrent execution in a multi-core environment and bring this into the education of students.

assignment:

Develop a tool that allows for concurrent execution of program stubs in a multi-core environment. This tool has to fit in the current settings of the PGA Toolset.