

Newcastle University School of Computing Science

 ${\it CSC3304}$: Software Verification Technology Coursework 2011

Model Checking Research Report: IBM GigaHertz Processor

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1 Introduction

Nowadays, the need for confidence is higher than ever. That's why people need to provide proof of the exactitude of the product or service they want to provide.

2 IBM Gigahertz Processor

2.1 IBM

International Business Machines, also known as IBM [1][2], is a major society in computers. They develop hardware and software solutions for professional and single users. They also provide services in a lot of subjects related to



computers (like services in security and confidentiality).

2.2 Processor



3 Verification on IBM gigahertz processor

- 3.1 Problem specifications Method use
- 3.1.1 Properties that needs to be verify
- 3.1.2 Interest of using model checking
- 3.2 Model checking of IBM gigahertz processor
- 3.2.1 Model checking in IBM
- 3.2.2 Using on the Gigahertz processor

4 Conclusion

We worked hard, and achieved very little.

References

- $[1] \ IBM. \ http://www.ibm.com/fr/fr/.$
- [2] Wikipaedia. Ibm. http://en.wikipedia.org/wiki/IBM.