Weekly Report

Matthew Royle

Week 13: 26 March 2008

Summary of activities since last meeting

Last meeting: 19 March 2009

Next meeting: 26 March 2009

Goals and Work targets

Goals for this week

- Find papers on devising algorithms for test programs
- Start devising algorithms for test programs
- Start experimenting with the OpenMP API
- Prepare oral presentation for project
- Start reading up on the OpenCL Specification
- Create project website

Goals Achieved

- Created project website
- Prepared oral presentation for project
- Presented project to class
- Started reading up on the OpenCL Specification
- Found a paper on the Fractal Flame Algorithm[1]
- Found out more about the OpenMP framework and how it is used

Proposed goals for next week

- Read paper on Fractal Flame Algorithm[1]
- Start Experimenting with OpenMP API
- Continue Reading the OpenCL Specification
- Find more possible test programs and algorithms

Rate your work performance

- Most of my work that was planned was achieved

- Not as productive as I would have liked

- Did not have much time to spend on project work

- This was due to numerous practicals and presentations due for the week

Issues

- Lots of time was spent doing practicals for other subjects, with limited time available for project work

Tasks/Learning

- Learned how OpenCL executes programs

- Found out more about the structure of OpenCL

- Read a paper on distributed texture memory[2]

Research

- Preparing my presentation helped me understand some issues involving implementation of OpenCL

References

[1] Scott Draves and Erik Reckase. The fractal flame algorithm, 2007. [Last Accessed: 18 July 2008].

[2] Adam Moerschell and John D. Owens. Distributed texture memory in a multi-gpu environment. In *GH '06: Proceedings of the 21st ACM SIGGRAPH/EUROGRAPHICS symposium on Graphics hardware*, pages 31–38, New York, NY, USA, 2006. ACM.