UNIVERSITY OF CAMBRIDGE

MPhil in Scientific Computing

My MPhil Project Title

Outline

Here I describe an overview of what my project was about.

Background

Here I describe what problem I am trying to solve and why.

Formulation

Some equations to solve:

$$a^n + b^n = c^n \; n \geqslant 3$$

For more fancy equations, see [1].

Method

I used the sieve of Erastothenes, based on the axiom of choice. Since I needed to check an infinite number of possible integer triples, I decided to parallelise the method in order to reduce the time required.
This was done using NVIDIA's CUDA language.

My results

The following graph shows my coffee intake over the year:

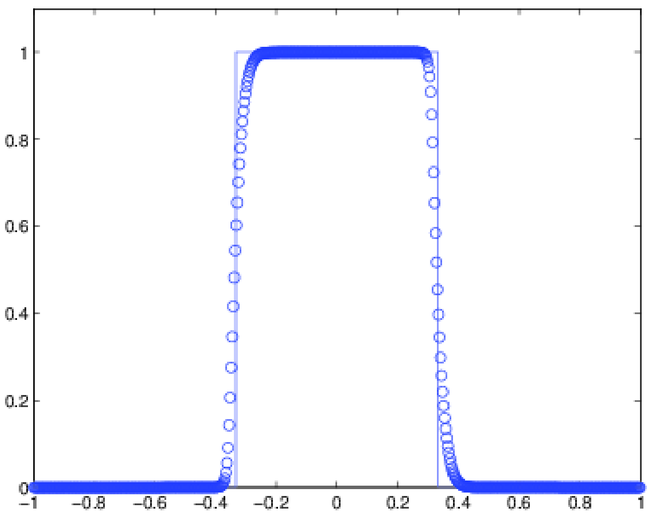

Figure 1: x-axis is time in months, y-axis is espressos per hour

References and Acknowledgements

[1] D. Knuth. Addison-Wesley, 1984.

Thanks to my sponsor, my supervisor, and to other students for fruitful discussions and caffeine.

My Name

Supervisor: My Supervisor's Name