## MPCS 51087 Project 2, Milestone 1 Ray Tracing - Serial Implementation

This milestone shows a serial implementation of ray tracing to render a three-dimensional spherilluminated by a single light source.

On command line:

Usage:

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Compile:  $\$  gcc -fopenmp -O3 -o serial ray\_tracing\_serial.c -lm

Run: Two command line arguments – number of rays, grid dimension.  $\$  ./serial N\_rays n

Methodology:

The ray-tracing algorithm was implemented in C and the results were visualized in python using MatPlotLib.

750
753
162
0221

Figura 1: Times and plots of G for different number of rays.