MPHYG002: Research Computing with C++

• Coursework 2 - Conway's Game of Life •

Sebastiano Ferraris SN: 14108168 s.ferraris@ucl.ac.uk August 11, 2016

Part 1: Introducing the Game

Part 1: Serial Solution

Part 2: Parallel Solution

Part 3: Shared Solution

Part 4: Distribuited Solution

Part 5: Accelerated Solution

Extra: between life and dead - a fuzzy game of life

REFERENCES

References

[1] Arun, K. Somani, Thomas S. Huang, and Steven D. Blostein. "Least-squares fitting of two 3-D point sets." IEEE Transactions on pattern analysis and machine intelligence 5 (1987): 698-700.

- [2] Besl, Paul J., and Neil D. McKay. "Method for registration of 3-D shapes." Robotics-DL tentative. International Society for Optics and Photonics, 1992.
- [3] Cho, Youngsang, et al. "A multi-resolution scheme for distortion-minimizing mapping between human subcortical structures based on geodesic construction on Riemannian manifolds." Neuroimage 57.4 (2011): 1376-1392.