Concurrent and Parallel Systems Logbook – Emmanuel Miras

# Monte carlo timings

### System specification

* AMD FX – 4300 Quad-Core Processor (3.8 GHz)
* 12 GB Ram

|  |  |  |  |
| --- | --- | --- | --- |
| Number of threads | Iterations | Iterations per Thread | Time (ms) |
| 1 | 224 | 224/20 = 224 | 2138.77 |
| 2 | 224 | 224/21 = 223 | 1062.25 |
| 4 | 224 | 224/22 = 222 | 655 |
| 8 | 224 | 224/23 = 221 | 705.08 |
| 16 | 224 | 224/24 = 220 | 748.03 |
| 32 | 224 | 224/25 = 219 | 805.79 |
| 64 | 224 | 224/26 = 218 | 1027.27 |