

| Particles | Serial Code | CUDA  | Speedup |
|-----------|-------------|-------|---------|
| 512       | 2.8         | 22.3  | 0.13    |
| 1024      | 7.9         | 22.5  | 0.35    |
| 2048      | 14.2        | 22.8  | 0.62    |
| 4096      | 52.8        | 23.4  | 2.25    |
| 8192      | 116.3       | 26.7  | 4.36    |
| 16384     | 237.7       | 36.7  | 6.48    |
| 32768     | 502.2       | 56    | 8.96    |
| 65536     | 991.8       | 91.6  | 10.83   |
| 131072    | 2061        | 154.6 | 13.33   |
| 262144    | 4534.8      | 287   | 15.8    |