N = 5000, n\_steps = 100, theta\_max = 0.25

N\_threads = 4:

|  |  |
| --- | --- |
| flag | Time(s) |
| none | 2.498 |
| -O1 | 1.604 |
| -O2 | 1.486 |
| -O3 | 1.410 |
| -Ofast | 1.571 |

So choose -O3 flag

With -O3:

|  |  |
| --- | --- |
| threads | Time(s) |
| 1 | 3.966 |
| 2 | 2.353 |
| 3 | 1.706 |
| 4 | 1.618 |
| 5 | 1.332 |
| 6 | 1.273 |
| 7 | 1.104 |
| 8 | 1.065 |
| 9 | 1.404 |
| 10 | 1.315 |
| 11 | 1.278 |
| 12 | 1.300 |

Schedule

|  |  |
| --- | --- |
| type | Time(s) |
| Static | 3.073 |
| Dynamic | 2.629 |
| guided | 2.841 |

(N = 10000, n\_steps = 100, n\_threads = 8)

(AMD Ryzen 5 PRO 2500U w @ 2.0 GHz, Windows Subsystem for Linux, Ubuntu 18.04.1 LTS, gcc 7.3.0)