Table 1: Threads = 4

N	FLOPs	Time
64	1326555243.005530	0.000395s
128	1446824878.854420	0.002899s
256	1498783431.880530	0.022388s
512	1605806776.474190	0.167165s
1024	1654254948.989960	1.298158s
2048	1356865129.411540	12.661442s

FLOPs for different values of N using four threads
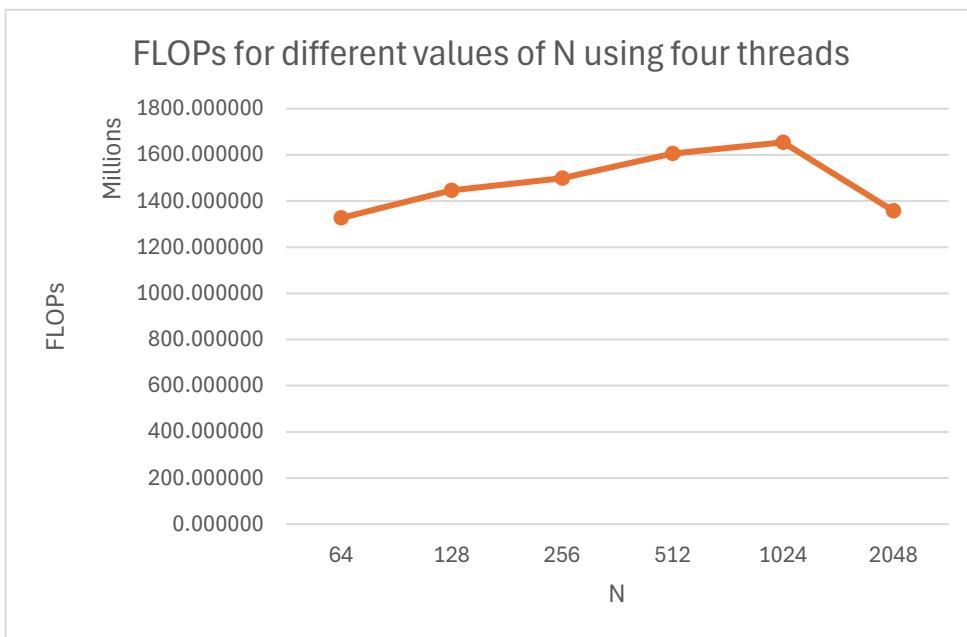
Table 2: Threads = 1

N	FLOPs	Time
64	468727671.952887	0.001119s
128	511084606.916690	0.008207s
256	509906307.320434	0.065805s
512	515324013.071668	0.520906s
1024	511330673.139387	4.199794s
2048	362103921.984696	47.444582s

FLOPs for different values of N using one thread