

Sieve of Eratosthenes

The Sieve of Eratosthenes implementation is a data parallel implementation. I used n as 10 million for this assignment.

n=1000000

0

Proc s	Total time
1	0.091364
2	0.04891
3	0.045399
4	0.043786
5	0.042646
6	0.042531
7	0.035489
8	0.030438
9	0.026476
10	0.023418
11	0.021024
12	0.019353
13	0.199965
14	0.19997
15	0.199966
16	0.199963
17	0.199979
18	0.399949
19	0.799962
20	0.851269
21	0.873611
22	0.959466
23	0.999948

24	0.999953
25	1.099929
26	1.199948
27	1.211153
28	1.231413
29	1.267911
30	1.299941
31	1.314157
32	1.361341

