

## RESULT

Size of Domain: 512 X 512

Size of Sub-Domain: 64 X 64

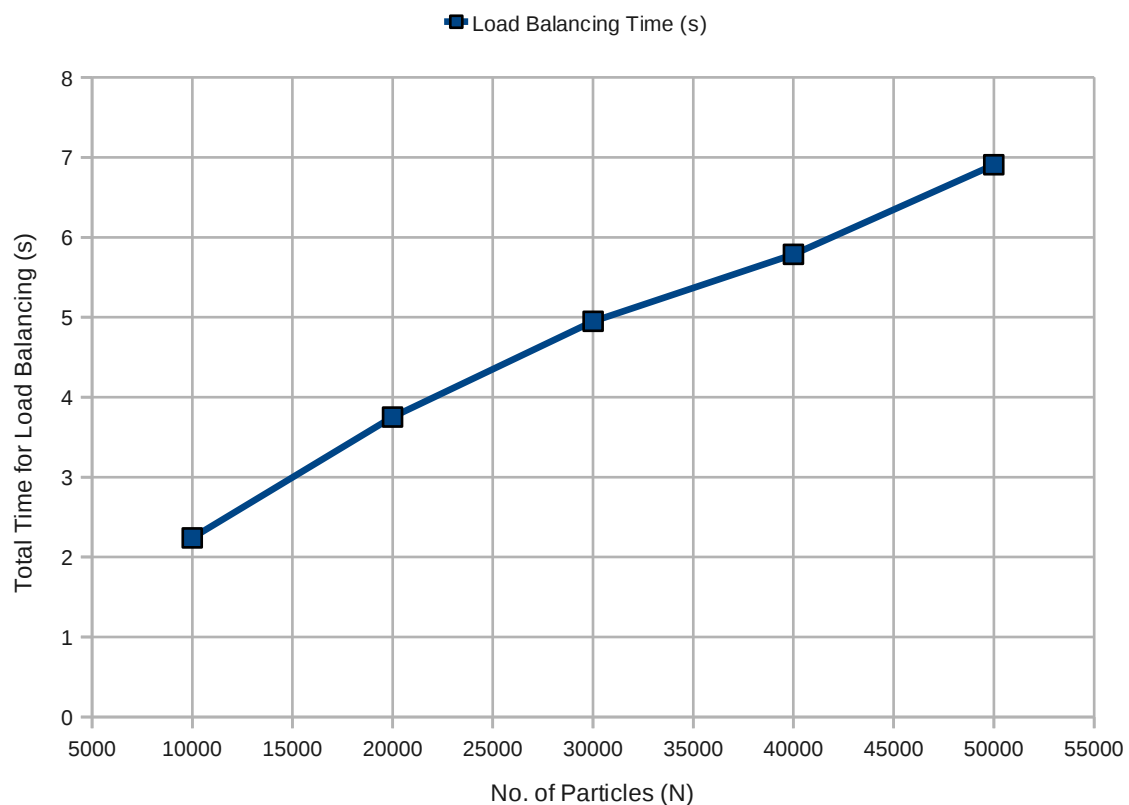
No. of Time Steps: 20

No. of Processors: 32

No. of Particles	Load Balancing Time (s)
10000	2.240625
20000	3.752344
30000	4.949219
40000	5.785547
50000	6.907812

### No. of Particles (N) Vs Load Balancing Time

(20 Time Steps, 32 Processors)



**PS :** Total Load Balancing Time for a given N is calculated as the average of the Total Load Balancing Time for 10 different Random Non-Uniform Distributions.