

Execution Time of Sequential Matrix multiplication algorithm for size 256 * 256 = 0.26 sec

S.No	Size of Matrix	No. of Nodes	Execution Time	Speed Up
1	256 * 256	1	0.15	1.733
2	256 * 256	2	0.0782	3.324
3	256 * 256	4	11.192	0.023
4	256 * 256	8	33.899	0.00766

Table 1: Execution time for matrix multiplication

Execution Time of Sequential laplace algorithm for size 1024 * 1024 = 6.18 sec

S.No	Size of Matrix	No. of Nodes	File	Acceptance value	Execution Time	Speed Up
1	1024 * 1024	1	input2.txt	68	6.1815	1
2	1024 * 1024	2	input2.txt	68	0.0683	90.50
3	1024 * 1024	3	input2.txt	68	0.0825	74.92
4	1024 * 1024	4	input2.txt	68	0.0993	62.42

Table 2: Execution time for the Laplace Transformation