

Basic Computational Operation Execution Time τ (sec):			
Test Number	Matrix Size	Execution Time (sec)	Theoretical Execution Time (sec)
1	12	0,000024	0,000006131
2	102	0,006184	0,003909422
3	498	0,443915	0,456770429
4	1002	3,663583	3,722482002
5	1500	12,490367	12,49036697
6	1998	34,127146	29,52051745
7	2502	63,800222	57,97240638
8	3000	160,349934	99,93959512
$\tau \approx 0.0000000185104175$			

Parallel Algorithm							
		4 processors		9 processors			
Test Number	Matrix Size	Serial Algorithm	Time	Speed up	Time	Speed up	
1	12	0,000024	0,000119	0,201681	0,000108	0,222222	
2	102	0,006184	0,001979	3,124811	0,002066	2,993224	
3	498	0,443915	0,217823	2,037962	0,109390	4,058095	
4	1002	3,663583	1,833121	1,998549	0,810017	4,522847	
5	1500	12,490367	6,135588	2,035725	2,746189	4,548255	
6	1998	34,127146	14,668056	2,326630	6,558762	5,203291	
7	2502	63,800222	35,852619	1,779514	13,020802	4,899869	
8	3000	160,349934	61,760965	2,596299	22,608417	7,092488	