

ORIGINAL CODE					
nprocs	Numerical	Error	N PROBLEM	Time (s)	SCALE
1	3.14159263198	1.09033E-07	100000000	2.196408129	1
2	3.141592636502	1.04511E-07	200000000	2.264001799	0.97014416246
4	3.141592638941	1.02072E-07	400000000	2.219219828	0.98972084756
8	3.141592640183	1.00829E-07	800000000	2.193324041	1.00140612482
16	3.141592640807	1.00205E-07	1600000000	3.253717375	0.67504576327
MODIFIED CODE					
nprocs	Numerical	Error	N PROBLEM	Time (s)	SCALE
1	3.14159263198	1.09033E-07	100000000	2.173199463	1
2	3.141592636502	1.04511E-07	200000000	2.241653585	0.96946266676
4	3.141592638941	1.02072E-07	400000000	2.223379803	0.97743060374
8	3.141592640183	1.00829E-07	800000000	2.201207829	0.9872759104
16	3.141592640807	1.00205E-07	1600000000	3.266618395	0.66527497253