ORIGINAL CODE

nprocs	Numerical	Error	Time (s)	SPEEDUP
1	3.141592640189	1.00824E-07	15.901528453827	1
2	3.141592640192	1.00821E-07	8.0259600162508	1.98126185797461
4	3.141592640184	1.00829E-07	4.1796191692354	3.80454003342509
8	3.141592640183	1.00829E-07	2.2057439804078	7.20914512068038
16	3.141592640186	1.00827E-07	1.7924783706666	8.87125262655941

MODIFIED CODE

nprocs	Numerical	Error	Time (s)	SPEEDUP
1	3.141592640189	1.00824E-07	15.6038257598878	1
2	3.141592640192	1.00821E-07	8.059004163742	1.93619775382304
4	3.141592640184	1.00829E-07	4.196659421921	3.71815393891202
8	3.141592640183	1.00829E-07	2.1971379756928	7.10188706058281
16	3.141592640186	1.00827E-07	1.7920504570006	8.70724688522683