





rong Scaling	(Division=700, ti	me, eff, speedu <sub>l</sub>	p for critical)							
Number of threads	OpenMP computation time	Speedup	Efficiency				Weak Scaling			
2	0.000667	0.127436	0.0637181		Efficiency Computation time	(sec)				
4	0.017495	0.0056016	0.0014004	0.5	Speedup  Ideal Efficiency					
8	0.000938	0.0906183	0.0113273							
16	0.001355	0.0612546	0.00382841	0.4	1					
32	0.00263	0.0307985	0.000962452							
64	0.004288	0.0221549	0.00034617	0.3	3					
128	0.009171	0.0103587	8.09E-05							
256	0.019792	0.00414309	1.62E-05	0.2	2					
512	0.056353	0.00221816	4.33E-06							
1024	0.127085	0.000747531	7.30E-07	0.1	1					
2048	0.230989	0.000372312	1.82E-07							
4096	0.405754	0.000204557	4.99E-08	0.0	1000	2000	3000	) 400	20	5000
8192	0.896312	0.000104874	1.28E-08		1000	2000	Number of threads		0	3000

Number of threads	OpenMP computation time	Speedup	Efficiency	Weak Scaling  — Efficiency						
2	0.000204	0.416667	0.208333	0.33						Computation time(sec)     Speedup
4	0.019511	0.00502281	0.0012557	0.30						— Ideal Efficiency
8	0.000359	0.236769	0.0295961	0.35						
16	0.000517	0.160542	0.0100338	0.25						
32	0.000803	0.100872	0.00315224	0.20						
64	0.001606	0.0591532	0.000924268							
128	0.002986	0.0318151	2.49E-04	0.15						
256	0.006504	0.0126076	4.92E-05	0.10						
512	0.013513	0.00925035	1.81E-05	0110						
1024	0.026404	0.00359794	3.51E-06	0.05						
2048	0.050276	0.00171056	8.35E-07							
4096	0.085647	0.000969094	2.37E-07	0.00	1000	2000	3000 Number	4000 of threads	5000	6000 7000
8192	0.185516	0.000506695	6.19E-08				ı			