

strong scaling											
karman	100x20										
Number of Cores	time 1	time 2		avg	Speedup	Parallel Efficiency					
1	145.18	144.92		145.05	100.00%	100.00%					
2	132.01	131.81		131.91	109.96%	54.98%					
3	128.21	128.22		128.21	113.13%	37.71%					
4	123.85	124.02		123.93	117.04%	29.26%					
5	122.24	122.23		122.23	118.67%	23.73%					
6	121.08	120.83		120.96	119.92%	19.99%					
7	120.08	120.02		120.05	120.82%	17.26%					
8	119.76	119.62		119.69	121.18%	15.15%					
karman	100x20		schedule(static,250)								
Number of Cores	time 1	time 2		avg	Speedup	Parallel Efficiency					
1	148.73	147.57		148.15	100.00%	100.00%					
2	108.23	108.01		108.12	137.02%	68.51%					
3	97.22	96.82		97.02	152.70%	50.90%					
4	87.32	87.20		87.26	169.78%	42.44%					
5	87.11	86.84		86.97	170.33%	34.07%					
6	83.61	83.60		83.61	177.20%	29.53%					
7	82.62	82.48		82.55	179.46%	25.64%					
8	76.62	76.85		76.74	193.06%	24.13%					
karman	100x20		nowait								
cpus per task	time 1	time 2		avg							
8	>300	>300		>300							
karman	100x20		nowait	schedule(static,250)	avg						
cpus per task	time 1	time 2									
8	153.37	176.30		164.83							
karman	100x20		nowait	guided schedule	avg						
cpus per task	time 1	time 2									
8	94.81	99.12		96.97							
weak scaling											
Number of Cores	width	length	cells per task	actual	time 1	time 2	time 3	avg	Speedup	Parallel Efficiency	
1	35.3553390593274	7.07106781186548	250	245	1.67	2.02	1.88	1.85	100.00%	100.00%	
2	50	10	250	250	5.92	5.68	6.05	5.88	31.53%	15.76%	
3	61.2372435695794	12.2474487139159	250	244	12.34	11.89	12.08	12.10	15.32%	5.11%	
4	70.7106781186548	14.142135623731	250	248.5	20.38	20.09	20.09	20.19	9.18%	2.30%	
5	79.0569415042095	15.8113883008419	250	252.8	33.64	33.49	33.38	33.50	5.53%	1.11%	
6	86.6025403784439	17.3205080756888	250	246.5	46.06	45.59	45.59	45.74	4.05%	0.68%	
7	93.5414346693486	18.7082869338697	250	255.142857142857	63.03	62.64	62.58	62.75	2.95%	0.42%	
8	100	20	250	250	76.72	76.62	76.85	76.73	2.42%	0.30%	
				standard deviation	3.81115441292942						
					1.52%						
	width	length	cells per task	actual	time 1	time 2	time 3	avg	speedup	parallel efficiency	
1	50	10	500	500	7.74	7.41	7.43	7.53	100.00%	100.00%	

