

Enhance Universe /w Threads (4)	No. of Updates	Population	Mean	Standard Deviation	Run 1	Run 2	Run 3	Run 4	Run 5
	1000	200	1.608	0.0455	1.56	1.58	1.68	1.61	1.61
	1000	400	4.004	0.015	4.01	4.02	4.00	4.01	3.98
	1000	600	8.802	0.212	8.61	8.92	8.93	9.01	8.54
	1000	800	15.052	0.436	14.71	15.21	14.52	15.61	15.21
	1000	1000	23.868	0.254	23.47	23.96	24.12	23.78	24.01
Enhance Universe									
	1000	200	1.76	0.0122	1.78	1.75	1.76	1.75	1.76
	1000	400	6.30	0.280	6.47	6.05	5.94	6.56	6.46
	1000	600	13.0	0.494	13.55	12.64	13.47	12.45	12.86
	1000	800	24.89	0.664	25.68	24.96	23.84	24.91	25.07
	1000	1000	34.38	0.718	35.66	34.04	34.05	34.12	34.02
Original Universe									
	1000	200	3.459	0.0726	3.43	3.41	3.59	3.43	3.44
	1000	400	13.614	0.272	13.26	13.98	13.49	13.75	13.59
	1000	600	30.841	0.654	30.60	31.94	30.29	30.89	30.47
	1000	800	52.085	0.58	51.22	52.19	52.47	51.85	52.70
	1000	1000	80.163	1.52	80.98	79.02	80.94	78.13	81.75

Final Result	Original		Enhanced		Enhanced /w Threads		Reduced Run Time By % (Enhanced vs Original)	Reduced Run Time By % (Enhanced /w Threads)	Reduced Run Time By % (Enhanced /w Threads vs Original)
	Population	Run Time	Population	Run Time	Population	Run Time			
	0	0	0	0	0	0			
	200	3.459	200	1.76	200	1.608	49.12%	8.64%	53.51%
	400	13.614	400	6.30	400	4.004	53.75%	36.41%	70.59%
	600	30.841	600	13.0	600	8.802	57.87%	32.26%	71.46%
	800	52.085	800	24.89	800	15.052	52.21%	39.53%	71.10%
	1000	80.163	1000	34.38	1000	23.868	57.11%	30.57%	70.23%

