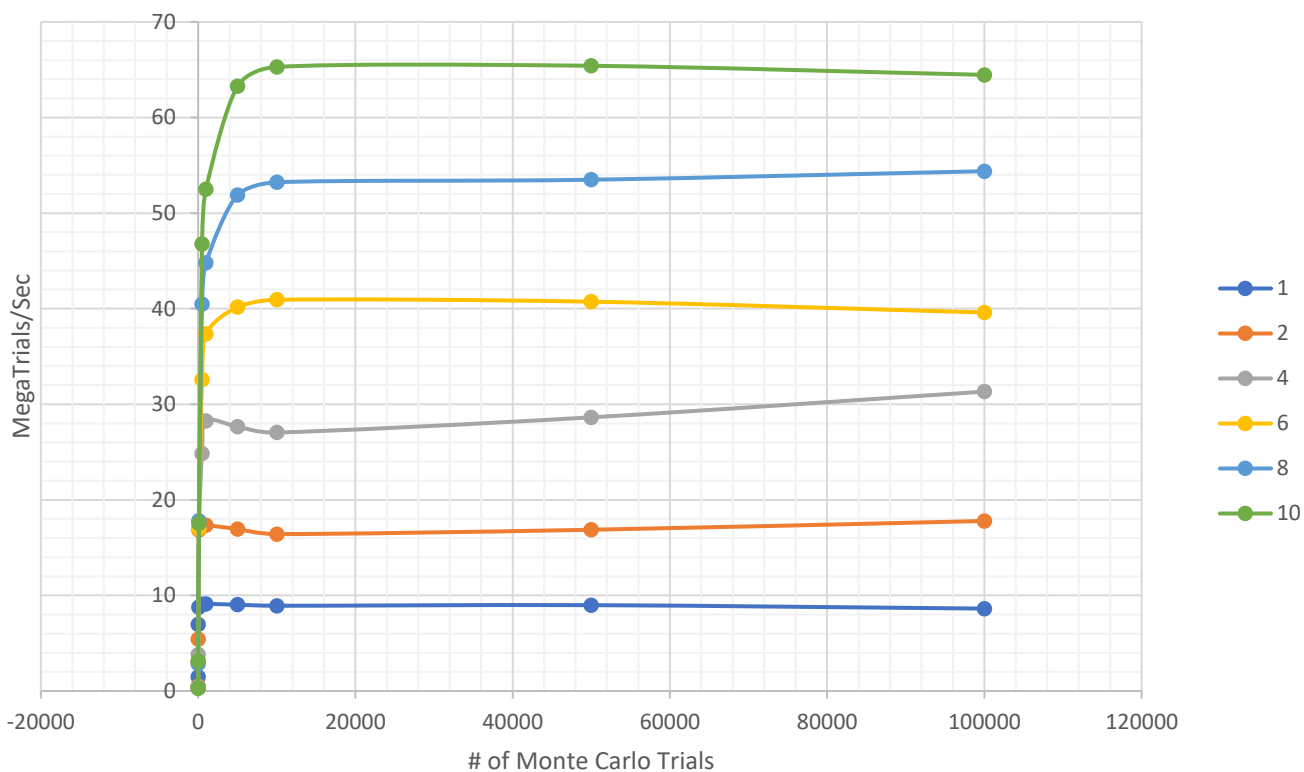


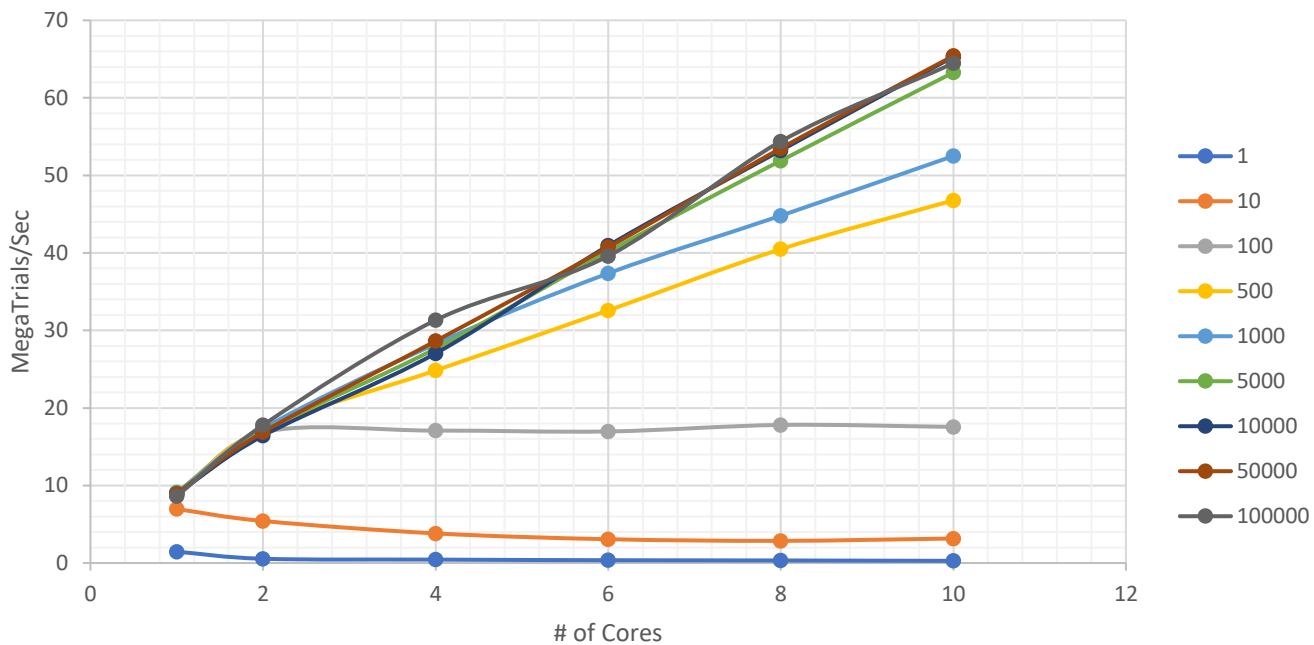
	1	10	100	500	1000	5000	10000	50000	100000
1	1.46	6.96	8.77	9.09	9.12	9.03	8.92	8.98	8.62
2	0.55	5.42	16.84	17.32	17.35	16.95	16.42	16.87	17.79
4	0.44	3.82	17.08	24.84	28.26	27.66	27.04	28.63	31.32
6	0.36	3.07	16.97	32.58	37.36	40.17	40.93	40.73	39.6
8	0.33	2.86	17.81	40.48	44.8	51.9	53.22	53.49	54.38
10	0.28	3.16	17.56	46.78	52.5	63.27	65.29	65.41	64.46

Graphs are in next page.

Monte Carlo Performance



Monte Carlo Performance



I think the actual probability is around 6.5% with a +/- of .1%

$$S = \text{time 1 thread} / \text{time 10 thread} = 64.46 / 8.62$$

$$S = 0.133726342$$

$$F_p = 10/9 * (1 - 1/S) = 10/9 * (1 - 1/0.133726342)$$

$$F_p = 0.96252628676$$

Parallel fraction F_p is around 0.96