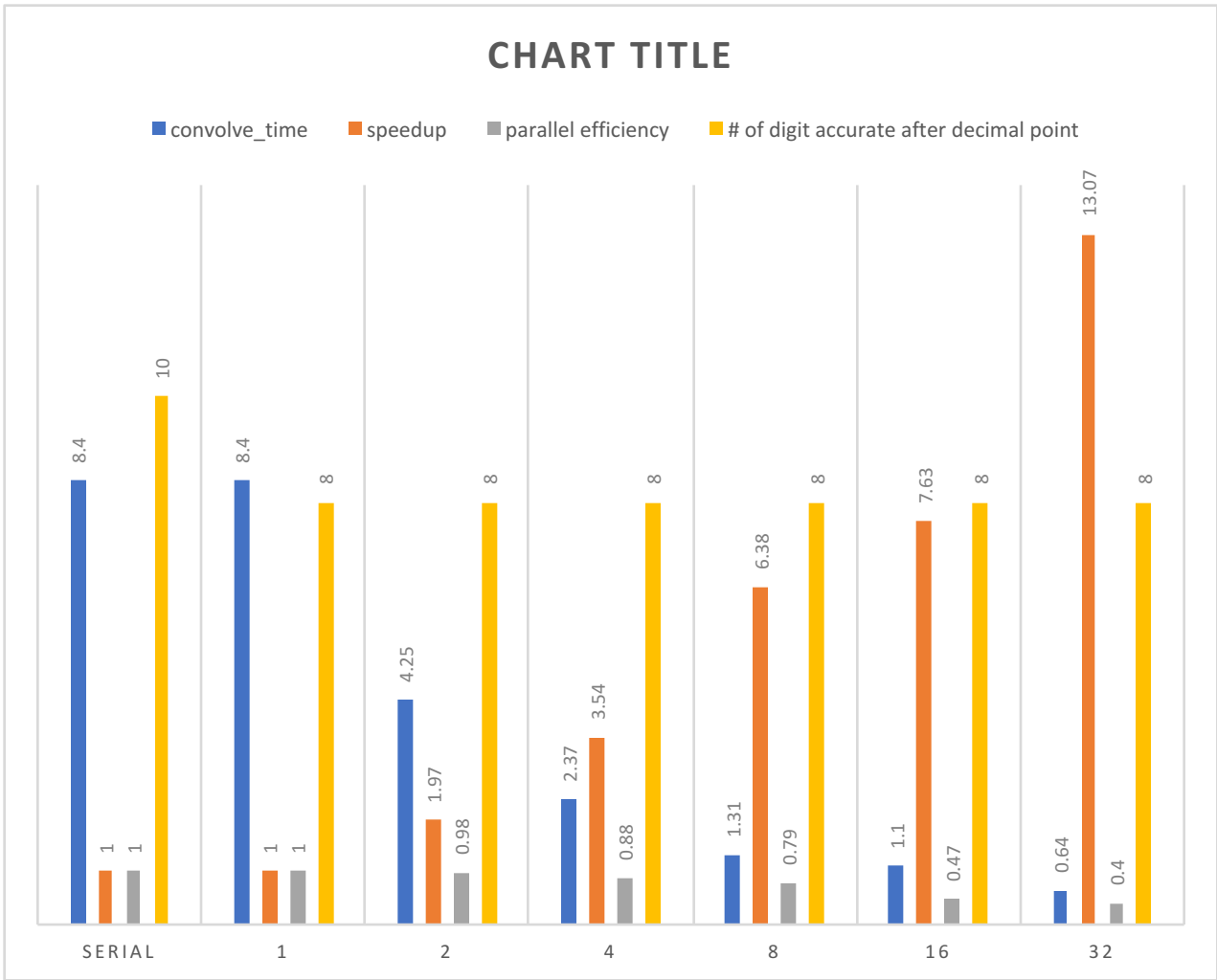


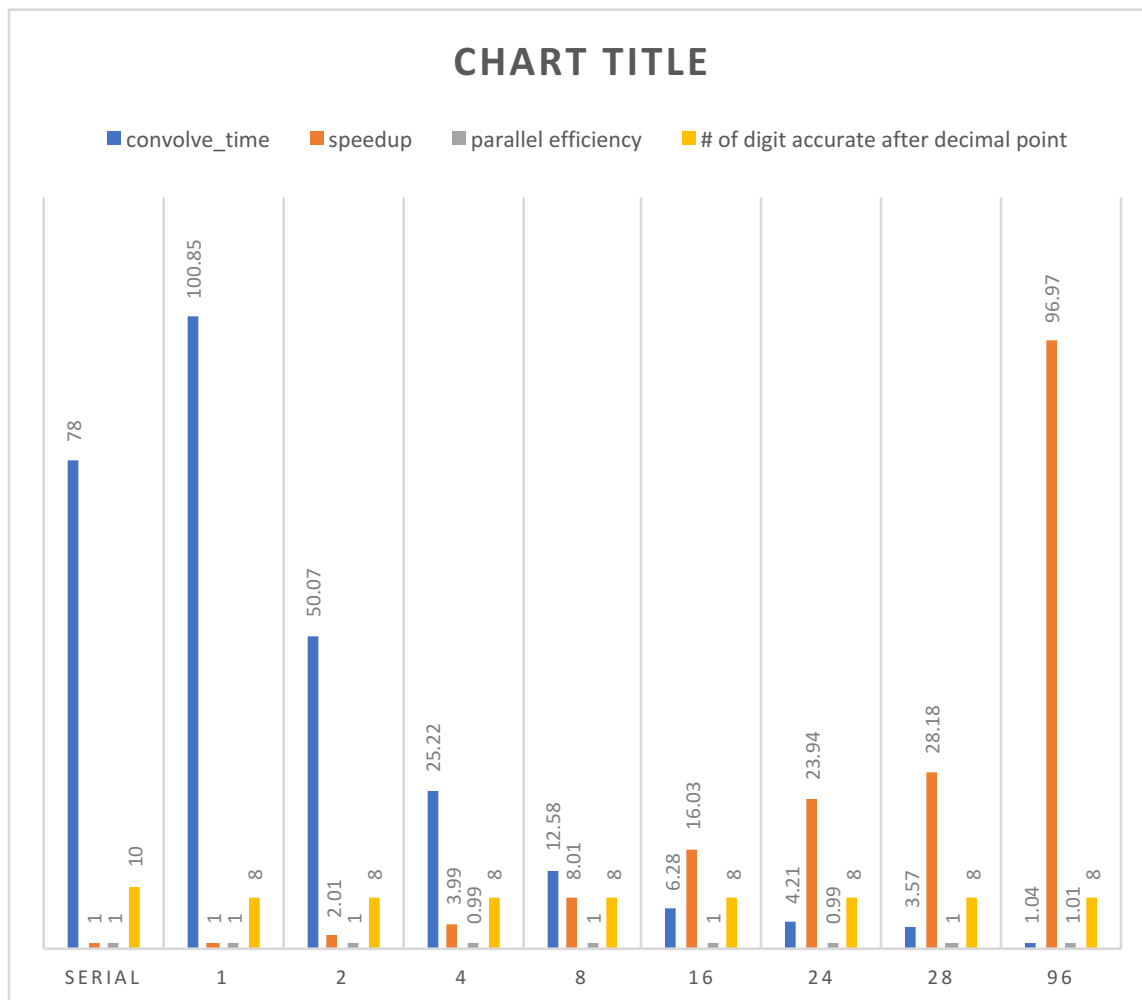
VW-32node-haswell machine

thread #	convolve_time	speedup	parallel effci	# of digit accurate after decimal point
serial	8.4	1	1	10
1	8.4	1	1	8
2	4.25	1.97	0.98	8
4	2.37	3.54	0.88	8
8	1.31	6.38	0.79	8
16	1.1	7.63	0.47	8
32	0.64	13.07	0.4	8



VW-24node-pi-cluster

thread #	convolve_time	speedup	parallel efficiency	# of digit accurate after decimal point
serial	78	1	1	10
1	100.85	1	1	8
2	50.07	2.01	1	8
4	25.22	3.99	0.99	8
8	12.58	8.01	1	8
16	6.28	16.03	1	8
24	4.21	23.94	0.99	8
28	3.57	28.18	1	8
96	1.04	96.97	1.01	8



K,N,M-4node-pi-cluster

thread #	convolve_tir	speedup	parallel effici	# of digit accurate after decimal point
serial	41.55	1	1	10
1	44.68	1	1	8
2	21.54	2.07	1.03	8
4	13.08	3.41	0.85	8
8	8.78	5.08	0.63	8
16	4.86	9.19	0.57	8
32	5.36	8.33	0.26	8

