

OBK vs VPP (speedups)

				Core i3 (32-bit)		Core i7 (32-bit)	
				speedup maxflow	speedup total	speedup maxflow	speedup total
instance	topo	# nodes	captype				
1 /mid/denoise/penguin	2D/4C	22k	32-bit	1.13	1.24	1.11	1.22
2 /mid/denoise/house	2D/4C	66k	32-bit	0.85	1.10	0.81	1.02
3 /mid/stereo/tsukuba	2D/4C	111k	32-bit	1.60	1.63	1.43	1.46
4 /uwo/stereo/BVZ-tsukuba	2D/4C	111k	32-bit	1.92	1.92	1.76	1.76
5 /uwo/stereo/BVZ-sawtooth	2D/4C	165k	32-bit	1.80	1.77	1.55	1.57
6 /uwo/stereo/BVZ-venus	2D/4C	166k	32-bit	1.69	1.69	1.44	1.47
7 /mid/stereo/venus	2D/4C	166k	32-bit	1.68	1.68	1.41	1.44
8 /mid/stereo/teddy	2D/4C	169k	32-bit	2.57	2.47	2.26	2.20
9 /mid/segment/flower	2D/4C	270k	32-bit	2.46	2.22	2.52	2.36
10 /mid/segment/person	2D/4C	270k	32-bit	2.62	2.35	2.61	2.44
11 /mid/segment/sponge	2D/4C	307k	32-bit	6.07	2.88	6.57	2.98
12 /mid/photomontage/family	2D/4C	426k	32-bit	3.55	3.46	3.09	3.08
13 /mid/photomontage/panorama	2D/4C	514k	32-bit	3.55	3.24	3.04	2.92
14 /ctu/lazybrush/footman	2D/4C	593k	32-bit	11.38	8.66	10.58	8.19
15 /ctu/lazybrush/hmdman	2D/4C	593k	32-bit	27.62	20.62	28.74	21.52
16 /ctu/lazybrush/mangadinner	2D/4C	593k	32-bit	12.73	9.93	10.56	8.49
17 /ctu/lazybrush/mangagirl	2D/4C	593k	32-bit	30.66	24.80	29.42	24.36
18 /ctu/lazybrush/elephant	2D/4C	2370k	32-bit	27.52	25.85	28.18	26.60
19 /ctu/lazybrush/bird	2D/4C	2372k	32-bit	58.62	53.85	60.37	55.85
20 /ctu/lazybrush/doctor	2D/4C	2373k	32-bit	89.59	75.39	96.60	81.94



OBK vs VPP (Core i3, 32-bit)				VPP				OBK					
				time init	time maxflow	time output	time total	time init	time maxflow	time output	time total	speedup maxflow	speedup total
instance	topo	# nodes	captype										
1 /mid/denoise/penguin	2D/4C	22k	32-bit	327	892	55	1274	208	793	30	1031	1.13	1.24
2 /mid/denoise/house	2D/4C	66k	32-bit	1202	2260	234	3697	599	2651	97	3346	0.85	1.10
3 /mid/stereo/tsukuba	2D/4C	111k	32-bit	121	721	26	868	72	450	11	532	1.60	1.63
4 /uwo/stereo/BVZ-tsukuba	2D/4C	111k	32-bit	126	479	26	631	69	249	11	329	1.92	1.92
5 /uwo/stereo/BVZ-sawtooth	2D/4C	165k	32-bit	238	965	46	1249	149	538	20	707	1.80	1.77
6 /uwo/stereo/BVZ-venus	2D/4C	166k	32-bit	263	1658	52	1973	164	983	22	1170	1.69	1.69
7 /mid/stereo/venus	2D/4C	166k	32-bit	225	2526	46	2797	138	1503	20	1661	1.68	1.68
8 /mid/stereo/teddy	2D/4C	169k	32-bit	702	6815	150	7667	387	2648	65	3100	2.57	2.47
9 /mid/segment/flower	2D/4C	270k	32-bit	50	40	9	99	24	16	4	44	2.46	2.22
0 /mid/segment/person	2D/4C	270k	32-bit	49	42	9	101	23	16	4	43	2.62	2.35
1 /mid/segment/sponge	2D/4C	307k	32-bit	58	36	11	104	26	6	5	36	6.07	2.88
2 /mid/photomontage/family	2D/4C	426k	32-bit	541	9972	117	10630	213	2809	49	3071	3.55	3.46
3 /mid/photomontage/panorama	2D/4C	514k	32-bit	790	5634	146	6570	383	1587	61	2031	3.55	3.24
4 /ctu/lazybrush/footman	2D/4C	593k	32-bit	180	1285	37	1502	46	113	14	174	11.38	8.66
5 /ctu/lazybrush/hmdman	2D/4C	593k	32-bit	147	4112	31	4290	46	149	13	208	27.62	20.62
6 /ctu/lazybrush/mangadinner	2D/4C	593k	32-bit	267	3988	56	4312	95	313	26	434	12.73	9.93
7 /ctu/lazybrush/mangagirl	2D/4C	593k	32-bit	161	6235	34	6431	43	203	13	259	30.66	24.80
8 /ctu/lazybrush/elephant	2D/4C	2370k	32-bit	320	45013	66	45399	95	1636	26	1756	27.52	25.85
9 /ctu/lazybrush/bird	2D/4C	2372k	32-bit	321	76377	67	76765	97	1303	26	1426	58.62	53.85
0 /ctu/lazybrush/doctor	2D/4C	2373k	32-bit	467	73708	94	74270	126	823	37	985	89.59	75.39



OBK vs VPP (Core i7, 32-bit)				VPP				OBK					
				time	time	time	time	time	time	time	time	speedup	speedup
instance	topo	# nodes	captype	init	maxflow	output	total	init	maxflow	output	total	maxflow	total
1 /mid/denoise/penguin	2D/4C	22k	32-bit	235	662	39	937	147	598	23	768	1.11	1.22
2 /mid/denoise/house	2D/4C	66k	32-bit	754	1542	112	2408	387	1900	64	2351	0.81	1.02
3 /mid/stereo/tsukuba	2D/4C	111k	32-bit	79	448	13	540	50	313	6	370	1.43	1.46
4 /uwo/stereo/BVZ-tsukuba	2D/4C	111k	32-bit	82	301	14	397	48	171	7	225	1.76	1.76
5 /uwo/stereo/BVZ-sawtooth	2D/4C	165k	32-bit	159	562	29	749	103	362	13	478	1.55	1.57
6 /uwo/stereo/BVZ-venus	2D/4C	166k	32-bit	178	972	32	1182	115	674	15	804	1.44	1.47
7 /mid/stereo/venus	2D/4C	166k	32-bit	156	1478	27	1662	95	1047	13	1154	1.41	1.44
8 /mid/stereo/teddy	2D/4C	169k	32-bit	478	4041	93	4611	268	1789	39	2096	2.26	2.20
9 /mid/segment/flower	2D/4C	270k	32-bit	34	26	7	66	15	10	3	28	2.52	2.36
0 /mid/segment/person	2D/4C	270k	32-bit	34	28	7	68	15	11	3	28	2.61	2.44
1 /mid/segment/sponge	2D/4C	307k	32-bit	40	23	8	70	17	4	3	24	6.57	2.98
2 /mid/photomontage/family	2D/4C	426k	32-bit	376	6156	86	6618	125	1994	32	2151	3.09	3.08
3 /mid/photomontage/panorama	2D/4C	514k	32-bit	554	3465	109	4128	236	1140	40	1416	3.04	2.92
4 /ctu/lazybrush/footman	2D/4C	593k	32-bit	121	774	25	920	29	73	10	112	10.58	8.19
5 /ctu/lazybrush/hmdman	2D/4C	593k	32-bit	99	2662	21	2782	28	93	8	129	28.74	21.52
6 /ctu/lazybrush/mangadinner	2D/4C	593k	32-bit	183	2162	39	2384	59	205	17	281	10.56	8.49
7 /ctu/lazybrush/mangagirl	2D/4C	593k	32-bit	108	4185	23	4315	26	142	9	177	29.42	24.36
8 /ctu/lazybrush/elephant	2D/4C	2370k	32-bit	223	32610	48	32880	61	1157	18	1236	28.18	26.60
9 /ctu/lazybrush/bird	2D/4C	2372k	32-bit	223	55438	47	55708	61	918	18	997	60.37	55.85
0 /ctu/lazybrush/doctor	2D/4C	2373k	32-bit	321	53421	68	53809	79	553	25	657	96.60	81.94