

	CPU	C2050/CPU speedup	C2050	C2050/FX5800 speedup	FX5800	HD5870/FX5800 speedup	HD5870
PNN	12.77	13.88	0.92	1.63	1.50	0.17	8.72
VNN	29.61	51.05	0.58	2.47	1.43	2.27	0.63
Incr PNN	N/A	N/A	3.26	1.01	3.28	0.49	6.67
Incr DWOP4	150.74	6.11	24.69	1.23	30.25	0.49	61.12
Incr DWOP8	255.44	7.40	34.53	1.33	45.83	0.48	95.21
Incr PT	181.48	6.94	26.14	1.18	30.90	0.55	56.43
100 ray casts	N/A	N/A	2.81	2.40	6.75	0.48	14.05

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
PNN					
memcpyHtDasync	1.36%	N/A	N/A	N/A	N/A
memcpyDtoHasync	0.45%	N/A	N/A	N/A	N/A
fill_pixel_ill_pos	42.51%	0.17	16	4.27	414.00
fill_holes	31.75%	1	18	74.07	408.88
fill_volume	12.87%	1	11	14.14	105.29
round_off_translate	6.23%	1	11	15.92	110.05
transform	4.78%	1	17	22.30	185.64

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
VNN					
memcpyHtDasync	2.16%	N/A	N/A	N/A	N/A
memcpyDtoHasync	0.72%	N/A	N/A	N/A	N/A
vnn	97.11%	0.5	31	56.92	126.53

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
Incr PNN					
memcpyHtDasync	12.22%	N/A	N/A	N/A	N/A
memcpyDtoHasync	23.05%	N/A	N/A	N/A	N/A
fill_volume	27.96%	1	6	10.07	70.48
transform	26.90%	1	13	16.57	71.52
round_off_translate	9.85%	1	3	27.15	163.35

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
Incr PT					
memcpyHtDasync	0.45%	N/A	N/A	N/A	N/A
memcpyDtoHasync	41.17%	N/A	N/A	N/A	N/A
adv_fill_voxels	57.23%	0.25	49	43.96	27.92
trace_intersections	1.13%	1	14	5.68	153.98

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
Incr DWOP4					
memcpyHtDasync	0.46%	N/A	N/A	N/A	N/A
memcpyDtoHasync	42.02%	N/A	N/A	N/A	N/A
adv_fill_voxels	56.34%	0.25	33	44.27	85.94
trace_intersections	1.16%	1	14	5.69	154.66

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
Incr DWOP8					
memcpyHtDasync	1.08%	N/A	N/A	N/A	N/A
memcpyDtoHasync	26.92%	N/A	N/A	N/A	N/A
adv_fill_voxels	71.24%	0.25	33	44.07	87.04
trace_intersections	0.74%	1	14	5.69	154.44

	Time	Occupancy	Registers per work item	glob mem read throughput	glob mem write throughput
100 ray casts					
memcpyHtDasync	0.01%	N/A	N/A	N/A	N/A
memcpyDtoHasync	0.01%	N/A	N/A	N/A	N/A
build_ray_dirs	0.01%	0.75	20	0	423.14
cast_rays	0.99%	1	16	14.44	65.39