

mixbench-sycl (v0.04-12-g440a133)

Use "-h" argument to see available options

----- Device specifications -----

Platform: HIP  
Device: AMD Radeon PRO W7700/AMD  
Driver version: 60140091  
Address bits: 64  
GPU clock rate: 1617 MHz  
Total global mem: 15344 MB  
Max allowed buffer: 15344 MB  
SYCL version: gfx1101  
Total CUs: 24

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Total GPU memory: 16089350144

Buffer size: 256MB

Elements per thread: 8

Thread fusion degree: 4

Timer: SYCL event based

Warning: hipSYCL - Assuming half and double precision support

----- CSV data -----

Experiment	Single Precision ops				Double precision ops				Half precision ops				Integer operations				
	Compute ite	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	lops/byte	ex.time	GIOPS	GB/sec
0		0.25	0.28	120.53	482.1	0.125	0.55	61.36	490.92	0.5	0.28	237.27	474.53	0.25	0.28	119.94	479.76
1		0.75	0.28	355.4	473.86	0.375	0.55	184.59	492.25	1.5	0.28	721.91	481.27	0.75	0.28	353.3	471.07
2		1.25	0.28	600.99	480.79	0.625	0.55	307.52	492.03	2.5	0.28	1193.59	477.44	1.25	0.29	584.33	467.46
3		1.75	0.28	839.22	479.55	0.875	0.59	399.84	456.96	3.5	0.28	1668.19	476.63	1.75	0.29	818.85	467.92
4		2.25	0.28	1073.78	477.23	1.125	0.71	424.57	377.4	4.5	0.29	2113.58	469.69	2.25	0.29	1033.08	459.15
5		2.75	0.28	1305.71	474.8	1.375	0.83	442.05	321.49	5.5	0.29	2581.82	469.42	2.75	0.29	1278.22	464.81
6		3.25	0.29	1519.67	467.59	1.625	0.97	448.55	276.03	6.5	0.28	3075.34	473.13	3.25	0.29	1488.96	458.14
7		3.75	0.29	1747.38	465.97	1.875	1.12	450.4	240.21	7.5	0.28	3545.47	472.73	3.75	0.29	1735.81	462.88
8		4.25	0.29	1997.29	469.95	2.125	1.26	453.31	213.32	8.5	0.29	3965.68	466.55	4.25	0.29	1938.64	456.15
9		4.75	0.29	2202.65	463.72	2.375	1.4	454.64	191.43	9.5	0.29	4468.26	470.34	4.75	0.29	2171.44	457.14
10		5.25	0.29	2430.81	463.01	2.625	1.54	457.42	174.25	10.5	0.29	4872.36	464.03	5.25	0.29	2395.11	456.21
11		5.75	0.29	2673.37	464.93	2.875	1.69	456.39	158.74	11.5	0.29	5402.16	469.75	5.75	0.29	2620.36	455.72
12		6.25	0.29	2936.77	469.88	3.125	1.82	459.67	147.09	12.5	0.29	5783.63	462.69	6.25	0.29	2848.22	455.72
13		6.75	0.29	3159.32	468.05	3.375	1.97	460.41	136.42	13.5	0.29	6320.4	468.18	6.75	0.3	3023.11	447.87
14		7.25	0.29	3385.32	466.94	3.625	2.11	460.21	126.96	14.5	0.29	6692.42	461.55	7.25	0.32	3083.65	425.33
15		7.75	0.29	3578.95	461.8	3.875	2.25	463.01	119.49	15.5	0.29	7233.55	466.68	7.75	0.33	3165.5	408.45
16		8.25	0.29	3847.97	466.42	4.125	2.39	463.71	112.41	16.5	0.29	7585.23	459.71	8.25	0.35	3178.95	385.33
17		8.75	0.29	4082.33	466.55	4.375	2.53	464.45	106.16	17.5	0.29	8060.41	460.59	8.75	0.37	3189.58	364.52
18		9.25	0.29	4259.33	460.47	4.625	2.68	464.04	100.33	18.5	0.29	8508.15	459.9	9.25	0.38	3229.4	349.12
20		10.25	0.29	4719.82	460.47	5.125	2.95	465.88	90.9	20.5	0.29	9434.42	460.22	10.25	0.42	3275.54	319.57
22		11.25	0.29	5164.67	459.08	5.625	3.24	466.66	82.96	22.5	0.29	10329.38	459.08	11.25	0.46	3299.13	293.26
24		12.25	0.29	5676.57	463.39	6.125	3.54	464.52	75.84	24.5	0.29	11329.67	462.44	12.25	0.49	3340.17	272.67
28		14.25	0.29	6516.09	457.27	7.125	4.1	466.81	65.52	28.5	0.29	13021.49	456.89	14.25	0.56	3399.08	238.53
32		16.25	0.29	7422.51	456.77	8.125	4.67	466.9	57.46	32.5	0.29	14849.06	456.89	16.25	0.64	3432.1	211.21
40		20.25	0.29	9234.51	456.02	10.125	5.81	468.18	46.24	40.5	0.29	18682.35	461.29	20.25	0.78	3496.32	172.66
48		24.25	0.29	11040.6	455.28	12.125	6.94	469.16	38.69	48.5	0.3	22039.33	454.42	24.25	0.93	3517.6	145.06
56		28.25	0.32	11859.25	419.8	14.125	8.07	469.68	33.25	56.5	0.32	24064.73	425.92	28.25	1.06	3563.17	126.13
64		32.25	0.34	12612.21	391.08	16.125	9.23	468.89	29.08	64.5	0.35	24765.47	383.96	32.25	1.24	3481.07	107.94
80		40.25	0.44	12323.78	306.18	20.125	11.54	468.24	23.27	80.5	0.44	24569.09	305.21	40.25	1.55	3483.07	86.54
96		48.25	0.51	12696.01	263.13	24.125	13.81	469.01	19.44	96.5	0.5	25879.13	268.18	48.25	1.88	3445.26	71.4
128		64.25	0.65	13188.14	205.26	32.125	18.42	468.15	14.57	128.5	0.64	26891.18	209.27	64.25	2.53	3412.1	53.11
192		96.25	0.95	13583.46	141.13	48.125	27.54	469.09	9.75	192.5	0.93	27754.08	144.18	96.25	3.54	3653.15	37.95
256		128.25	1.21	14258.92	111.18	64.125	36.6	470.36	7.34	256.5	1.21	28338.52	110.48	128.25	4.67	3685.82	28.74