

		ACCELSIM	MICROGPUSIM	MICROGPUSIM (memory only)	MICROGPUSIM (trace reconstr.)
BabelStream (3 benchmark configurations) @ 28 SM's [blocks/SM > 1]					
Norm. DRAM reads	RMSE	8.43%	4.82%	4.82%	4.82%
	MAE	8.05%	2.78%	2.78%	2.78%
	Corr.	0.998			
Norm. DRAM writes	RMSE	39.79%	7.09%	7.09%	7.09%
	MAE	38.74%	4.26%	4.26%	4.26%
	Corr.	0.998	1.000	1.000	1.000
L1D hit rate	RMSE	0.00%	0.00%	0.00%	0.00%
	MAE	0.00%	0.00%	0.00%	0.00%
	Corr.	1.000	1.000	1.000	1.000
L2D hit rate	RMSE	14.29%	9.91%	9.91%	9.91%
	MAE	12.11%	5.72%	5.72%	5.72%
	Corr.	0.988	1.000	1.000	1.000
Cycles	RMSPE	15.52%	15.50%	19.21%	34.89%
	MAPE	14.76%	15.49%	19.21%	34.87%
	Corr.	1.000	1.000	1.000	1.000
Matrixmul (2 benchmark configurations) @ 28 SM's [blocks/SM > 1]					
Norm. DRAM reads	RMSE	3.40%	0.21%	0.21%	0.21%
	MAE	2.88%	0.15%	0.15%	0.15%
	Corr.	1.000	1.000	1.000	1.000
Norm. DRAM writes	RMSE	81.77%	26.19%	25.61%	28.93%
	MAE	79.15%	18.67%	18.26%	20.61%
	Corr.	1.000	1.000	1.000	1.000
L1D hit rate	RMSE	0.00%	0.00%	0.05%	0.18%
	MAE	0.00%	0.00%	0.05%	0.15%
	Corr.	1.000	1.000	1.000	1.000
L2D hit rate	RMSE	12.69%	0.27%	0.29%	0.19%
	MAE	10.47%	0.19%	0.20%	0.14%
	Corr.	-1.000	1.000	1.000	1.000
Cycles	RMSPE	20.06%	20.61%	23.40%	14.40%
	MAPE	18.93%	19.23%	22.32%	10.62%
	Corr.	1.000	1.000	1.000	1.000
Naive Matrixmul (1 benchmark configurations) @ 28 SM's [blocks/SM > 1]					
Norm. DRAM reads	RMSE	0.44%	0.00%	0.00%	0.00%
	MAE	0.44%	0.00%	0.00%	0.00%
	Corr.				
Norm. DRAM writes	RMSE	99.95%	0.05%	0.05%	0.05%
	MAE	99.95%	0.05%	0.05%	0.05%
	Corr.				
L1D hit rate	RMSE	17.14%	0.91%	1.14%	0.86%
	MAE	17.14%	0.91%	1.14%	0.86%
	Corr.				
L2D hit rate	RMSE	37.59%	2.63%	2.63%	2.63%
	MAE	37.59%	2.63%	2.63%	2.63%
	Corr.				
Cycles	RMSPE	22.31%	7.50%	1.38%	87.79%
	MAPE	22.31%	7.50%	1.38%	87.79%
	Corr.				
Transpose (6 benchmark configurations) @ 28 SM's [blocks/SM > 1]					
Norm. DRAM reads	RMSE	45.49%	6.93%	6.93%	6.93%
	MAE	44.63%	3.01%	3.01%	3.01%
	Corr.	0.839	0.854	0.854	0.854
Norm. DRAM writes	RMSE	66.56%	18.38%	18.38%	18.38%
	MAE	59.63%	7.58%	7.58%	7.58%
	Corr.	0.173			
L1D hit rate	RMSE	0.00%	0.00%	0.00%	0.00%
	MAE	0.00%	0.00%	0.00%	0.00%
	Corr.	1.000	1.000	1.000	1.000
L2D hit rate	RMSE	72.54%	14.18%	14.18%	14.18%
	MAE	66.72%	6.91%	6.91%	6.91%
	Corr.	0.355	1.000	1.000	1.000
Cycles	RMSPE	38.30%	7.32%	8.41%	13.54%
	MAPE	27.22%	5.76%	7.60%	12.97%
	Corr.	0.911	0.999	0.999	0.999
VectorAdd (4 benchmark configurations) @ 28 SM's [blocks/SM > 1]					
Norm. DRAM reads	RMSE	16.51%	8.78%	8.78%	8.78%
	MAE	15.67%	6.21%	6.21%	6.21%
	Corr.	0.999	0.998	0.998	0.998
Norm. DRAM writes	RMSE	50.07%	28.41%	28.41%	28.41%
	MAE	35.50%	18.50%	18.50%	18.50%
	Corr.	1.000	0.994	0.994	0.994
L1D hit rate	RMSE	0.00%	0.00%	0.00%	0.00%
	MAE	0.00%	0.00%	0.00%	0.00%
	Corr.	1.000	1.000	1.000	1.000
L2D hit rate	RMSE	60.86%	3.13%	3.13%	3.13%
	MAE	43.73%	2.06%	2.06%	2.06%
	Corr.		0.999	0.999	0.999
Cycles	RMSPE	86.55%	15.00%	13.10%	16.66%
	MAPE	85.40%	8.71%	7.37%	9.80%
	Corr.	0.998	0.996	0.997	0.995
Average (16 benchmark configurations) @ 28 SM's [blocks/SM > 1]					
Norm. DRAM reads	RMSE	29.31%	6.45%	6.45%	6.45%
	MAE	22.55%	3.22%	3.22%	3.22%
	Corr.	0.991	0.957	0.957	0.957
Norm. DRAM writes	RMSE	63.60%	20.58%	20.49%	21.04%
	MAE	54.64%	10.61%	10.55%	10.85%
	Corr.	0.847	0.975	0.975	0.975
L1D hit rate	RMSE	4.28%	0.23%	0.29%	0.23%
	MAE	1.07%	0.06%	0.08%	0.07%
	Corr.	1.000	1.000	1.000	1.000
L2D hit rate	RMSE	55.19%	9.84%	9.84%	9.84%
	MAE	41.88%	4.37%	4.37%	4.36%
	Corr.	0.462	0.958	0.958	0.958
Cycles	RMSPE	50.49%	13.34%	14.39%	29.56%
	MAPE	38.09%	10.11%	11.17%	20.67%
	Corr.	0.980	0.999	0.998	0.983