GPU Bench

GPU Comparison Report: GeForce GTX 1060 3GB

Summary of results

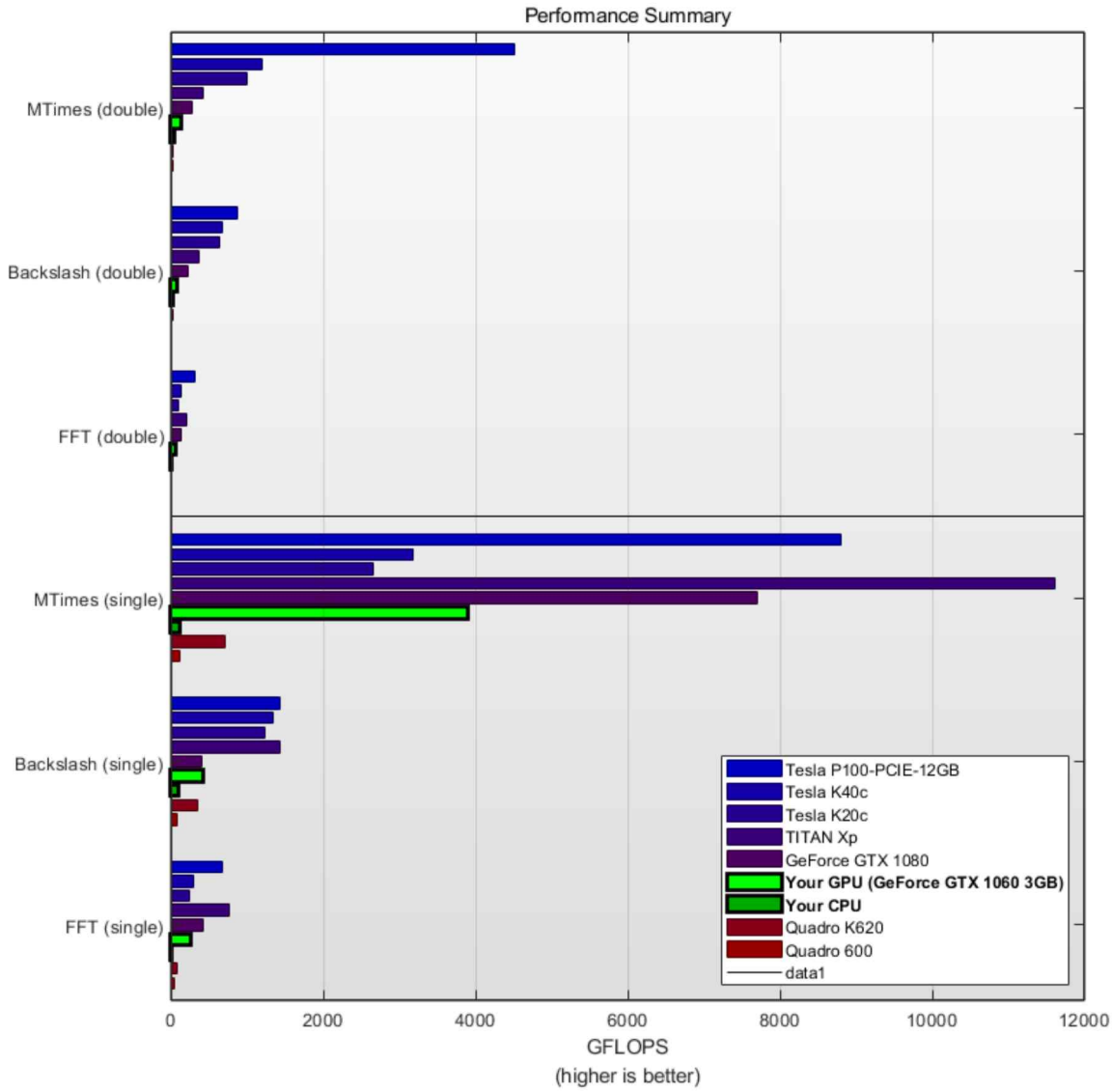
The table and chart below show the peak performance of various GPUs using the same MATLAB version. Your results (if any) are highlighted in bold in the table and on the chart. All other results are from pre-stored data. The peak performance shown is usually achieved when dealing with extremely large arrays. Typical performance in day-to-day use will usually be much lower.

Results captured using the CPUs on the host PC (i.e. without using a GPU) are included for comparison.

Since MATLAB works mostly in double precision the devices are ranked according to how well they perform double-precision calculations. Single precision results are included for completeness. For all results, higher is better.

	Results for data-type 'double' (In GFLOPS)			Results for data-type 'single' (In GFLOPS)		
	MTimes	Backslash	FFT	MTimes	Backslash	FFT
Tesla P100-PCIE-12GB	4518.23	878.97	313.43	8807.20	1439.15	676.20
Tesla K40c	1189.54	677.12	135.88	3187.76	1334.17	294.86
Tesla K20c	1004.06	641.42	106.09	2657.01	1230.28	235.20
TITAN Xp	422.47	371.37	207.24	11607.69	1426.76	763.56
GeForce GTX 1080	280.84	223.05	137.66	7707.01	399.37	424.60
Your GPU (GeForce GTX 1060 3GB)	**128.33**	**83.64**	**64.66**	**3892.60**	**431.95**	**267.79**
Your CPU	**43.79**	**34.84**	**10.03**	**119.18**	**97.22**	**17.56**
Quadro K620	25.45	22.77	12.75	716.71	350.31	75.00
Quadro 600	19.71	17.55	7.62	117.99	88.64	38.58

(click any device name or result to see the detailed data)



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