

Test name	Device type	Device info	Dim grid / global size	Dim block / local size	Data size	Number of iterations	Mean execution time (s)	Variance of execution time	Number of operations (per iteration)	Throughput (MFLOPS)	Speed-up
arrayAddSerial	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	512	100	0.002245963370	0.000000293899	262144	116.717842998000	1.000000000000
arrayAddOpenMP_CPU	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	512	100	0.009114873330	0.000021297517	262144	28.760026662900	0.246406427022
arrayAddOpenCLIPER_CPU	CL_DEVICE_TYPE_CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	512	100	0.000224799690	0.000000192313	262144	1166.122604530000	9.990954035568
arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 1070	0	32	512	100	0.000022476800	0.000000000003	262144	11662.870159500000	99.923626583855
arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 1070	16	32	512	100	0.000026664320	0.000000000047	262144	9831.265113000000	84.231038390512
arrayAddSerial	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	1024	100	0.006073801270	0.000003366379	1048576	172.639168354000	1.000000000000
arrayAddOpenMP_CPU	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	1024	100	0.009689633780	0.000036645246	1048576	108.216267385000	0.626834966925
arrayAddOpenCLIPER_CPU	CL_DEVICE_TYPE_CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	1024	100	0.000957104480	0.000002051679	1048576	1095.571091670000	6.346016967761
arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 1070	0	32	1024	100	0.000085158400	0.0000000000513	1048576	12313.242146400000	71.323571955321
arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 1070	32	32	1024	100	0.000072247360	0.0000000000084	1048576	14513.692910000000	84.069525191020
arrayAddSerial	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	2048	100	0.019073560390	0.000007240788	4194304	219.901471683000	1.000000000000
arrayAddOpenMP_CPU	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	2048	100	0.010486750620	0.000032699098	4194304	399.962214416000	1.818824637026
arrayAddOpenCLIPER_CPU	CL_DEVICE_TYPE_CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	2048	100	0.003176751360	0.000012773284	4194304	1320.312333160000	6.004108672200
arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 1070	0	32	2048	100	0.000331545600	0.000000002065	4194304	12650.760559000000	57.529221892856
arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 1070	64	32	2048	100	0.000258960320	0.0000000000270	4194304	16196.705340000000	73.654374443425
arrayAddSerial	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	4096	100	0.072449678780	0.000059353245	16777216	231.570605730000	1.000000000000
arrayAddOpenMP_CPU	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	4096	100	0.015899528060	0.000054471924	16777216	1055.202137870000	4.556718822508
arrayAddOpenCLIPER_CPU	CL_DEVICE_TYPE_CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	4096	100	0.009653807990	0.000160013682	16777216	1737.885818460000	7.504777270798
arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 1070	0	32	4096	100	0.001266337280	0.000000005014	16777216	13248.615724200000	57.211992353254
arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 1070	128	32	4096	100	0.000994369582	0.0000000000295	16777216	16872.213610000000	72.859910531736
arrayAddSerial	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	8192	100	0.409357418020	0.017644867894	67108864	163.937090293000	1.000000000000
arrayAddOpenMP_CPU	CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	8192	100	0.037652469620	0.000201935552	67108864	1782.323036900000	10.871993846655
arrayAddOpenCLIPER_CPU	CL_DEVICE_TYPE_CPU	Intel(R) Corporation Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz	0	32	8192	100	0.038093341610	0.000296775706	67108864	1761.695382020000	10.746167196646
arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 1070	0	32	8192	100	0.004861237760	0.000000115100	67108864	13804.892357300000	84.208474925530
arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 1070	256	32	8192	100	0.003957182092	0.000000004957	67108864	16958.750550000000	###

Host: tebas  
 O.S.: Ubuntu 16.04 LTS  
 Host compiler: gcc 5.4  
 Compiler optimization: no (-O0)  
 OpenCL GPU version: 1.2 CUDA 9.0.368  
 CUDA compiler: nvcc 7.5.17  
 Samples per test: 100

