

Array addition on OpenCLIPER_GPU / CUDA vs kernel block size

Test name	Device type	Device info	Data size	Number of iterations	Mean execution time (s)	Variance of execution time	Number of operations (per iteration)	Throughput (MFLOPS)	
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	1	10	0.1296253356	0.0000214777	16777216	129.4285251000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	2	10	0.0665502741	0.0000089472	16777216	252.0983757000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	4	10	0.0342198160	0.0000025884	16777216	490.2777969000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	8	10	0.0175387711	0.0000005019	16777216	956.5787651000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	16	10	0.0090457551	0.0000000010	16777216	1854.7059710000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	32	10	0.0046828597	0.0000000009	16777216	3582.6860240000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	64	10	0.0025175292	0.0000000001	16777216	6664.1594460000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	128	10	0.0015481165	0.0000000007	16777216	10837.1792400000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	256	10	0.0016082998	0.0000000007	16777216	10431.6471300000
./arrayAddOpenCLIPER_GPU	CL_DEVICE_TYPE_GPU	NVIDIA Corporation GeForce GTX 760	4096	0	10	0.0015989105	0.0000000011	16777216	10492.9050100000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	1	10	0.1556552500	0.0000196909	16777216	107.7844532000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	2	10	0.0678867303	0.0000055710	16777216	247.1354259000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	4	10	0.0433696542	0.0000008023	16777216	386.8422821000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	8	10	0.0356103234	0.0000001143	16777216	471.1334916000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	16	10	0.0345349811	0.0000010050	16777216	485.8035379000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	32	10	0.0344987832	0.0000003402	16777216	486.3132680000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	64	10	0.0325622395	0.0000000316	16777216	515.2353239000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	128	10	0.0327418074	0.0000000571	16777216	512.4095868000
./arrayAddCUDA	GPU	NVIDIA Corporation GeForce GTX 760	4096	256	10	0.0328618147	1.0000196909	16777216	108.7844532000

Max OpenCL kernel block size supported by this GPU
Block size selected automatically, value not in chart

