

Benchmarks

Total	↑3.2	↑1.4	↑4.3	↑3.6	
2mm	↑11.3	↓184.0 ⁽¹⁾	↓1.2 ⁽³⁾		0.37 s
adi	↓12.3 ⁽¹⁾	↓1.1 ⁽¹⁴⁾	↑13.0 ⁽²⁾	↑10.6	1.04 s
atax	↑14.0	↓5.7 ⁽⁶⁾	↑1.0		0.11 s
bicg	↑14.3	↓5.6 ⁽¹⁾	↑1.0		0.11 s
cavtflow	↓3.4 ⁽¹⁶⁾	↑2.5	↑1.1	↓1.3	3.58 s
chanflow	↓4.8 ⁽¹⁷⁾	↑1.4 ⁽¹⁾	↑1.6	↓1.0	6.50 s
cholesky	↓17.6	↓19.2 ⁽⁴⁾	↑11.0	↑11.6 ⁽¹¹⁾	6.02 s
conv2d	↑8.6 ⁽¹⁾	↑1.8 ⁽¹⁾	↑14.5	↑1.8	27.50 s
covarian	↓1.3	↓6.0 ⁽¹⁾	↓1.0 ⁽¹⁾		0.13 s
crc16		↑430.0	↑436.0	↑414.0	3.77 s
fddt_2d	↑38.1	↑68.7 ⁽⁵⁾	↑4.6 ⁽³⁾	↑3.3 ⁽⁹⁾	6.64 s
gemm	↑18.1	↓100.0	↓1.4 ⁽⁶⁾		79.99 ms
hdiff	↑94.7	↑33.9 ⁽¹⁾	↑1.7	↑1.3	0.52 s
heat3d	↑70.0	↑215.0 ⁽²⁾	↑52.0	↑2.7	49.55 s
jacobi1d	↓1.2 ⁽³⁷⁾	↑5.3	↑2.6 ⁽²⁾	↑1.9	0.41 s
jacobi2d	↑72.8	↑59.8 ⁽¹⁾	↑10.0 ⁽¹⁾	↑5.4	168.97 s
lu			↑2.3	↑2.7	11.06 s
mandel1	↑8.1	↑30.0 ⁽³¹⁾	↑8.8 ⁽³⁾		1.33 s
nbody	↓3.0 ⁽²⁾	↑1.9 ⁽³⁾	↑2.3		0.54 s
seidel2d		↑20.8 ⁽¹⁹⁾	↑124.0	↑64.5 ⁽²⁾	14.89 s
softmax		↓55.7 ⁽⁴⁾	↑1.0	↓1.8	1.85 s
sselfeng	↓13.4	↓6.8 ⁽¹⁴⁾	↑6.8		2.37 s
sthamfft	↑66.4		↓1.2 ⁽¹⁾		0.37 s
trisolv	↓7.0 ⁽⁵⁾	↓59.5 ⁽⁵⁾	↑1.6	↑1.3	0.14 s
vadv	↑23.0 ⁽³⁰⁾	↑3.4 ⁽¹⁾	↑13.0 ⁽¹⁾	↓1.0	2.37 s
	cupy	dace_cpu	numba	pythran	numpy