

Benchmarks

Total		
2mm	↑11.4 ⁽⁵⁾	0.15 s
3mm	↑11.1 ⁽⁵⁾	0.18 s
adi	↑79.8 ⁽¹⁸⁾	0.96 s
adist	↑26.3	0.43 s
atax	↓1.0 ⁽¹⁾	96.35 ms
azimhist	↑1.6 ⁽¹⁾	34.38 ms
azimnaiv	↑71.4 ⁽¹¹⁾	2.54 s
bigc	↑1.0	98.9 ms
cavtflow	↑2.5 ⁽⁵⁾	3.17 s
chanflow	↑2.6 ⁽⁴⁾	5.75 s
cholesky	↑11.7 ⁽³⁾	5.73 s
cholesky2	↑2.8 ⁽¹⁾	43.29 ms
clipping	↑26.3 ⁽¹⁰⁾	1.4 s
coninteg	↑1.2 ⁽²⁾	0.7 s
conv2d	↑5.7 ⁽¹²⁰⁾	28.13 s
correlat	↑4.2 ⁽⁴⁾	0.13 s
covarian	↑2.4	95.35 ms
crc16	↑169 ⁽¹⁰⁰⁾	6.22 s
deriche	↑38.8 ⁽¹⁾	2.47 s
doitgen	↑62.8 ⁽¹⁾	0.4 s
durbin	↓3.4 ⁽¹⁰⁾	0.57 s
fdtd_2d	↑164 ⁽²¹⁾	6.47 s
floydwar	↑5.0 ⁽²²⁾	82.54 s
gemm	↑1.9 ⁽³⁾	26.73 ms
gemver	↑15.3	0.5 s
gesummv	↑1.4 ⁽⁷⁾	90.3 ms
gramschm	↑6.3 ⁽⁴⁾	0.13 s
hdiff	↑38.2 ⁽³⁾	0.44 s
heat3d	↑157 ⁽¹³⁾	42.04 s
jacobi1d	↑8.9 ⁽¹¹⁾	0.35 s
jacobi2d	↑86.4 ⁽⁵⁾	162.22 s

lenet	↓1.5 ⁽¹⁹⁹⁾	4.18 s
lstsqr	↑3.0 ⁽¹⁾	55.5 ms
lu	↑3.3 ⁽⁸⁾	10.32 s
ludcmp	↑3.4	10.44 s
mandel1	↑172 ⁽²⁰⁾	2.57 s
mandel2	↑1.2 ⁽¹⁾	0.96 s
mlp	↑1.0 ⁽¹¹⁾	25.01 ms
mvt	↑1.0 ⁽¹⁾	65.08 ms
nbody	↑2.8 ⁽¹⁰⁾	0.7 s
ngpofast	↑1.7 ⁽¹²⁾	59.07 ms
nussinov	↑704 ⁽⁵⁵⁾	14.68 s
resnet	↓2.1 ⁽¹⁴⁸⁾	3.83 s
seidel2d	↑36.4 ⁽⁴⁾	15.69 s
softmax	↑2.0 ⁽¹⁵⁰⁾	1.41 s
specialconvolve	↑42.0 ⁽⁸⁾	0.86 s
spmv	↑811 ⁽²⁾	0.42 s
sselfeng	↑72.6 ⁽²²⁾	2.85 s
sthamfft	↑2.2 ⁽³⁾	0.36 s
symm	↑129 ⁽²⁷⁾	9.81 s
syr2k	↑261 ⁽⁷⁾	14.57 s
syrk	↑16.5k ⁽⁵⁾	4.79 s
trisolv	↑1.7 ⁽⁶⁾	0.12 s
trmm	↑127 ⁽³⁾	3.15 s
vadv	↑4.6 ⁽⁶⁾	2.34 s
wdist	↑190 ⁽²²⁾	10.5 s

dace_cpu

numpy