

Total		↑1.2	↑4.6	↑2.1	↑4.3	↑4.3	1.0 s
Domains	Chemistry	↑1.6	↑24.0	↑1.8	↑5.9	↑9.7	0.58 s
	Graphs	↓43.7		↑2.0	↑7.7	↑24.2	46.98 ms
	Learning	↑1.2	↑11.9	↓1.3	↑2.0	↓1.1	30.98 ms
	LinAlg	↑2.4	↑1.8	↓1.1	↑3.1	↑2.2	0.18 s
	Other	↓1.1		↑9.7	↑18.6	↑29.2	0.77 s
	Physics	↑1.1	↑11.4	↑1.7	↑3.4	↑2.2	0.84 s
	Signals	↑14.4	↑41.9	↑20.5	↑3.3	↑2.1	0.65 s
	Solver	↓6.1	↓4.6	↑1.6	↑4.6	↑7.3	0.33 s
	Weather	↑16.6	↓1.2	↓1.7	↑1.7	↑1.2	83.41 ms
Benchmarks	doitgen	↑19.0 ⁽¹⁾	↑24.0	↑18.0 ⁽⁷⁾	↑1.0 ⁽²⁾	compilation	0.38 s ⁽⁵⁾
	azimhist	↑4.1	compilation	↓125 ⁽²⁾	↑3.0 ⁽¹⁾	↑3.2 ⁽⁶⁾	18.49 ms
	azimnaiv	↑5.0	compilation	↑7.0 ⁽¹⁾	↓1.1	↓3.0	1.02 s
	nussinov	↓63.6	execution	↑9.9	↑436	↑865	15.47 s
	floydwar	↓44.2	validation	↑2.0 ⁽⁴⁸⁾	↑2.2	↑4.6	0.19 s
	spmv	↓43.1	compilation	compilation	↑26.7	↑127 ⁽⁶⁾	11.52 ms ⁽¹⁾
	covarian	↓2.2 ⁽²⁰⁾	validation	↓4.3 ⁽⁵¹⁾	↑1.4 ⁽²⁾	↓26.0 ⁽¹³⁾	62.77 ms ⁽⁵⁾
	correlat	↓1.8 ⁽¹⁾	validation	↓1.3 ⁽¹⁾	↑1.2	validation	61.42 ms ⁽¹⁾
	conv2d	↓1.9 ⁽²⁾	compilation	↓1.7 ⁽⁹⁾	↑5.3 ⁽⁸⁾	↑3.2 ⁽⁶⁾	18.31 ms
	resnet	↑5.4	compilation	↑1.8 ⁽¹⁹⁾	↑3.4 ⁽⁵⁾	compilation	2.38 s
	softmax	↑59.6 ⁽⁴⁾	↑11.9 ⁽⁵⁾	↑5.0	↑1.1 ⁽¹⁰⁾	↓1.1 ⁽³⁾	0.18 s
	mlp	↓7.8 ⁽³⁾	compilation	validation	↓1.1 ⁽¹³⁾	compilation	0.03 ms ⁽⁹⁾
	lenet	↓1.7	compilation	↓5.5 ⁽²⁾	↑4.8 ⁽⁸⁾	↑5.4 ⁽²⁾	27.56 ms
	gesummv	↑74.5	↑5.5	↑2.1 ⁽¹³⁾	↑4.3 ⁽⁶⁾	↑1.1	41.73 ms ⁽³⁾
	gemver	↑99.2	validation	validation	↑2.1 ⁽¹⁾	↑1.3 ⁽⁵⁾	0.2 s
	gemm	↑14.9	↑6.1 ⁽¹⁾	↑1.7 ⁽³⁾	↑1.7 ⁽⁸⁾	↑1.4 ⁽⁵⁾	65.86 ms
	mvt	↑5.2 ⁽³⁾	↓4.8	↓3.6 ⁽¹⁾	↑1.2 ⁽¹⁾	↑1.1	2.16 ms
	npgofast	↑1.9 ⁽¹⁾	↑1.5	↑7.9 ⁽¹⁾	↑8.1 ⁽²⁾	compilation	0.24 s
	trmm	↓15.7	compilation	↑2.4	↑10.8 ⁽⁵⁾	↑3.7	2.94 s
	2mm	↑14.9	↑5.3 ⁽⁸⁾	↑1.1 ⁽⁸⁾	↑1.4 ⁽¹⁾	↑1.3 ⁽³⁾	69.49 ms
	3mm	↑9.7	↑6.2	↑1.1 ⁽²⁾	↑1.2 ⁽²⁾	↑1.1 ⁽³⁾	66.23 ms ⁽⁴⁾
	symm	↓11.6	compilation	↓1.4	↑10.6	↑5.5	9.16 s
	syr2k	↓5.8	compilation	↓4.0	↑6.1	↑8.9	12.43 s
	atax	↑2.3 ⁽⁴⁾	↓4.8	↓3.2 ⁽⁵⁾	↑1.6 ⁽²⁾	↑1.5 ⁽⁷⁾	0.53 ms ⁽²⁶⁾
	syrk	↓9.2	compilation	↓2.3 ⁽²⁴³⁾	↑2.9	↑5.8	4.41 s
	crc16	↓70.5	runtime	↑39.4	↑1.1k	↑1.0k ⁽²⁾	0.78 s ⁽³⁾
	mandel2	↑4.7 ⁽³⁾	unsupported	unsupported	↑1.1 ⁽³⁾	compilation	0.59 s ⁽³⁾
	mandel1	↑11.8 ⁽⁴⁾	compilation	↑2.4 ⁽¹⁾	↑5.2 ⁽²⁾	↓1.2	1.01 s ⁽¹⁾
	chanflow	↓12.2	compilation	validation	↑4.0	↑3.7	1.05 s ⁽³⁾
	nbody	↓1.5	compilation	validation	↑5.2	compilation	0.85 s
	cavtflow	↓6.9	compilation	↓3.0 ⁽²¹⁾	↑2.9	↑2.6	0.95 s
	fdtd_2d	↑30.9	↑31.9	↑3.4 ⁽²⁾	↑3.2	↑1.3 ⁽¹⁾	5.58 s
	jacobi2d	↑36.9	↑69.6	↑25.0 ⁽⁴⁾	↑14.4 ⁽¹⁾	↑1.3	10.1 s ⁽⁴⁾
	jacobi1d	↓7.1 ⁽¹⁶⁾	↓1.5	↓8.7 ⁽⁵⁶⁾	↑1.2 ⁽²⁾	↑5.5 ⁽⁵⁾	14.4 ms
	heat3d	↑4.4		↑4.7 ⁽²¹⁾	↑2.0 ⁽⁶⁾	↑1.3	0.15 s
	ssselfeng	↓14.3	compilation	runtime	↑7.8 ⁽²¹⁾	compilation	2.48 s
	coninteg	↑4.2	unsupported	unsupported	↑1.2 ⁽¹⁾	unsupported	0.79 s ⁽⁶⁾
	clipping	↑56.5	↑41.9 ⁽³⁾	↑20.5 ⁽¹⁰⁾	↑11.9 ⁽⁸⁾	↑2.5	0.37 s
	sthamfft	↑52.0 ⁽¹⁾	compilation	compilation	↑1.9 ⁽¹⁾	compilation	0.31 s ⁽¹⁾
	deriche	↑1.0	validation	validation	↑1.6	↑1.8	2.44 s
	trisolv	↓17.5	↓8.9 ⁽¹⁾	↑1.3	↑2.8	↑2.3 ⁽¹⁾	13.84 ms
	gramschm	validation	compilation	validation	validation	validation	0.16 s ⁽⁴⁾
	ludcmp	↓13.4	validation	↑2.6	↑2.9	↑4.6	10.44 s
	lu	↓13.5	validation	↑2.8	↑3.0	↑4.5 ⁽¹⁾	10.46 s ⁽¹⁾
	durbin	↓13.3	compilation	↓2.8 ⁽⁶⁾	↑3.2 ⁽¹⁾	↑6.1 ⁽²⁾	42.93 ms
	cholesky2	↑10.8 ⁽¹⁾	unsupported	unsupported	↓1.3 ⁽⁵⁾	unsupported	48.33 ms ⁽⁸⁾
	cholesky	↓20.7	compilation	↑4.9 ⁽⁴⁾	↑10.3	↑12.2	5.02 s ⁽¹⁾
	bicg	↑2.8 ⁽⁴⁾	↓2.4 ⁽³⁾	↓2.8 ⁽³⁾	↑1.7 ⁽⁴⁾	↑1.3 ⁽³⁾	0.66 ms ⁽²⁴⁾
	adi	↓10.8	validation	validation	↑9.0 ⁽³⁾	↑10.6 ⁽¹⁾	0.67 s
	seidel2d	↓35.8	compilation	↑5.0 ⁽¹⁾	↑109	↑160	12.11 s
	hdiff	↑52.5 ⁽¹⁾	↓1.2 ⁽⁵⁾	↓1.7 ⁽¹⁶⁾	↑2.5	↑1.4	44.74 ms
	vadv	↑5.2 ⁽²⁾	compilation	validation	↑1.1	↑1.0 ⁽¹⁴⁾	0.16 s ⁽²⁾
CuPy GPU		DaCe GPU		DaCe	Numba	Pythran	Numpy