

localMachineOutputVectorized

Dimensions	SEQtime	VEctime	UNROLLtime	SEQtoVECSpeedup
1*1 matrix	1.86e-07 sec	1.244e-06 sec	9.469e-06 sec	0.149518
1*8 matrix	2.13e-07 sec	1.04e-06 sec	9.855e-06 sec	0.204808
1*64 matrix	3.41e-07 sec	1.264e-06 sec	9.791e-06 sec	0.269778
1*512 matrix	1.943e-06 sec	3.102e-06 sec	1.546e-06 sec	0.62637
1*4096 matrix	1.2825e-05 sec	1.6052e-05 sec	5.131e-06 sec	0.798966
8*1 matrix	2.68e-07 sec	1.597e-06 sec	1.0069e-05 sec	0.167815
8*8 matrix	3.84e-07 sec	1.884e-06 sec	1.332e-06 sec	0.203822
8*64 matrix	1.831e-06 sec	1.1631e-05 sec	1.866e-06 sec	0.157424
8*512 matrix	3.9437e-05 sec	1.6224e-05 sec	5.073e-06 sec	2.43078
8*4096 matrix	0.000100008 sec	4.5097e-05 sec	3.3046e-05 sec	2.21762
64*1 matrix	5.29e-07 sec	1.2593e-05 sec	4.197e-06 sec	0.0420075
64*8 matrix	1.777e-06 sec	1.5412e-05 sec	5.644e-06 sec	0.1153
64*64 matrix	1.3285e-05 sec	1.7642e-05 sec	8.441e-06 sec	0.753033
64*512 matrix	0.000100387 sec	4.7279e-05 sec	3.6001e-05 sec	2.12329
64*4096 matrix	0.000857387 sec	0.000278014 sec	0.00028049 sec	3.08397
512*1 matrix	2.7e-06 sec	2.5099e-05 sec	2.7441e-05 sec	0.107574
512*8 matrix	1.2805e-05 sec	3.4619e-05 sec	3.9023e-05 sec	0.369884
512*64 matrix	0.0001045 sec	6.128e-05 sec	5.9613e-05 sec	1.70529
512*512 matrix	0.000859257 sec	0.000293754 sec	0.000296163 sec	2.92509
512*4096 matrix	0.0184341 sec	0.0053707 sec	0.00240576 sec	3.43235
4096*1 matrix	2.3502e-05 sec	0.000128201 sec	0.000211803 sec	0.183321
4096*8 matrix	0.000104548 sec	0.000174983 sec	0.000347028 sec	0.597475
4096*64 matrix	0.000902828 sec	0.000451152 sec	0.000495499 sec	2.00116
4096*512 matrix	0.0180113 sec	0.0023968 sec	0.00242271 sec	7.51473
4096*4096 matrix	0.0593919 sec	0.0322132 sec	0.034374 sec	1.84371
1*1 matrix	1.53e-07 sec	1.381e-06 sec	9.347e-06 sec	0.110789
1*7 matrix	2.29e-07 sec	1.548e-06 sec	1.759e-06 sec	0.147933
1*49 matrix	2.99e-07 sec	1.495e-06 sec	9.752e-06 sec	0.2
1*343 matrix	1.175e-06 sec	2.335e-06 sec	1.388e-06 sec	0.503212
1*2401 matrix	7.499e-06 sec	1.3731e-05 sec	3.493e-06 sec	0.546136
7*1 matrix	2.77e-07 sec	2.859e-06 sec	2.987e-06 sec	0.096887
7*7 matrix	2.98e-07 sec	1.742e-06 sec	1.285e-06 sec	0.171068
7*49 matrix	1.214e-06 sec	3.032e-06 sec	2.01e-06 sec	0.400396
7*343 matrix	7.512e-06 sec	2.9685e-05 sec	4.119e-06 sec	0.253057
7*2401 matrix	5.1318e-05 sec	2.9594e-05 sec	2.0426e-05 sec	1.73407
49*1 matrix	4.42e-07 sec	1.1945e-05 sec	3.494e-06 sec	0.0370029
49*7 matrix	1.25e-06 sec	3.026e-06 sec	1.6977e-05 sec	0.413087
49*49 matrix	7.872e-06 sec	1.5516e-05 sec	7.633e-06 sec	0.507347
49*343 matrix	5.1633e-05 sec	3.2991e-05 sec	2.2955e-05 sec	1.56506
49*2401 matrix	0.000357958 sec	0.000152029 sec	0.000122698 sec	2.35454
343*1 matrix	2.002e-06 sec	9.897e-06 sec	2.961e-05 sec	0.202284
343*7 matrix	7.721e-06 sec	1.5626e-05 sec	2.2426e-05 sec	0.494112
343*49 matrix	5.4414e-05 sec	4.0123e-05 sec	4.8534e-05 sec	1.35618
343*343 matrix	0.000370585 sec	0.000151885 sec	0.000166439 sec	2.43991
343*2401 matrix	0.00687586 sec	0.000955049 sec	0.000881377 sec	7.19948
2401*1 matrix	1.3196e-05 sec	7.8792e-05 sec	0.000124927 sec	0.167479
2401*7 matrix	5.3749e-05 sec	0.00012632 sec	0.000185526 sec	0.425499
2401*49 matrix	0.000384405 sec	0.000217465 sec	0.000348986 sec	1.76766
2401*343 matrix	0.00273819 sec	0.00651557 sec	0.00172299 sec	0.420253
2401*2401 matrix	0.0290987 sec	0.00824843 sec	0.00659415 sec	3.52778

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SEQtoUNROLL	VECtoUNROLL
0.019643	0.131376
0.0216134	0.10553
0.0348279	0.129098
1.25679	2.00647
2.49951	3.12843
0.0266163	0.158606
0.288288	1.41441
0.981243	6.23312
7.7739	3.19811
3.02633	1.36467
0.126042	3.00048
0.314848	2.73069
1.57387	2.09004
2.78845	1.31327
3.05675	0.991173
0.0983929	0.914653
0.32814	0.887143
1.75297	1.02796
2.9013	0.991866
7.66249	2.23243
0.110962	0.605284
0.301267	0.504233
1.82206	0.9105
7.43436	0.989306
1.72781	0.937139
0.0163689	0.147748
0.130188	0.880045
0.0306604	0.153302
0.846542	1.68228
2.14687	3.93101
0.0927352	0.957148
0.231907	1.35564
0.60398	1.50846
1.82374	7.20685
2.51239	1.44884
0.126503	3.41872
0.073629	0.178241
1.03131	2.03275
2.24931	1.4372
2.91739	1.23905
0.0676123	0.334245
0.344288	0.696781
1.12115	0.826699
2.22655	0.912557
7.80127	1.08359
0.10563	0.630704
0.289711	0.680875
1.10149	0.623134
1.58921	3.78155
4.4128	1.25087