outputSequential

Dimensions	Baseline(sec)	-O2(sec)	-O3(sec)	-O2Speedup	-O3Speedup
1 * 1 matrix	0.000000608	0.000000497	0.000000461	1.22334004	1.31887202
1 * 8 matrix	0.000000655	0.000000538	0.000000498	1.21747212	1.31526104
1 * 64 matrix	0.000001076	0.000000588	0.000000614	1.82993197	1.752443
1 * 512 matrix	0.000004527	0.000001741	0.000001697	2.60022975	2.66764879
1 * 4096 matrix	0.000031861	0.000010782	0.000010885	2.95501762	2.92705558
8 * 1 matrix	0.000000748	0.000000581	0.000000548	1.28743546	1.3649635
8 * 8 matrix	0.00000121	0.000000742	0.000000682	1.63072776	1.77419355
8 * 64 matrix	0.000004667	0.000001711	0.00000163	2.72764465	2.86319018
8 * 512 matrix	0.000031658	0.000010732	0.000010638	2.94986955	2.97593533
8 * 4096 matrix	0.000252965	0.000082671	0.000082758	3.05990009	3.05668334
64 * 1 matrix	0.00000141	0.000000769	0.000001106	1.83355007	1.27486438
64 * 8 matrix	0.000011123	0.000001671	0.000001854	6.65649312	5.99946063
64 * 64 matrix	0.000032774	0.000009396	0.000009429	3.48808003	3.47587231
64 * 512 matrix	0.000253362	0.000081178	0.000081174	3.12106728	3.12122108
64 * 4096 matrix	0.00199549	0.000662187	0.000662354	3.01348411	3.01272431
512 * 1 matrix	0.000006883	0.000002472	0.000002463	2.78438511	2.79455948
512 * 8 matrix	0.000031959	0.000008737	0.000008804	3.65789172	3.63005452
512 * 64 matrix	0.000258377	0.000071681	0.000071598	3.60453956	3.60871812
512 * 512 matrix	0.00200981	0.000659841	0.000649903	3.04590045	3.09247688
512 * 4096 matrix	0.00795851	0.00263361	0.00265316	3.0219015	2.9996344
4096 * 1 matrix	0.000029406	0.000012743	0.000017739	2.30761987	1.65770337
4096 * 8 matrix	0.000182811	0.000119038	0.000064076	1.53573649	2.8530339
4096 * 64 matrix	0.00210372	0.000589105	0.000600993	3.57104421	3.50040683
4096 * 512 matrix	0.00800556	0.00259762	0.00261191	3.08188265	3.06502138
4096 * 4096 matrix	0.0636316	0.0214483	0.0214485	2.96674329	2.96671562
1 * 1 matrix	0.000000281	0.000000253	0.000000248	1.11067194	1.13306452
1 * 7 matrix	0.000000456	0.000000438	0.000000469	1.04109589	0.97228145
1 * 49 matrix	0.000000979	0.000000668	0.000000915	1.46556886	1.06994536
1 * 343 matrix	0.000003164	0.000001353	0.000001327	2.33850702	2.38432555
1 * 2401 matrix	0.000018761	0.000006529	0.000006559	2.87348752	2.86034456
7 * 1 matrix	0.000000829	0.000000545	0.000000524	1.52110092	1.58206107
7 * 7 matrix	0.000001009	0.000000768	0.000000728	1.31380208	1.38598901
7 * 49 matrix	0.000003304	0.000001303	0.000001327	2.53568688	2.48982668
7 * 343 matrix	0.000018918	0.000006428	0.000006401	2.94306161	2.95547571
7 * 2401 matrix	0.000127583	0.000042576	0.00004256	2.99659433	2.99772086
49 * 1 matrix	0.000001303	0.000000735	0.000000752	1.77278912	1.73271277
49 * 7 matrix	0.000003304	0.000001267	0.00000133	2.60773481	2.48421053
49 * 49 matrix	0.00001977	0.000005857	0.00000565	3.37544818	3.49911504
49 * 343 matrix	0.000128201	0.000041594	0.000041611	3.08219936	3.08094014
49 * 2401 matrix	0.000897942	0.000294482	0.000295655	3.04922542	3.03712773
343 * 1 matrix	0.000004822	0.000001837	0.000001834	2.62493195	2.62922574
343 * 7 matrix	0.000019211	0.000005473	0.000005463	3.51014069	3.51656599
343 * 49 matrix	0.000134112	0.00003656	0.000036469	3.66827133	3.67742466
343 * 343 matrix	0.000901864	0.00028799	0.000287652	3.13158096	3.13526066
343 * 2401 matrix	0.00314339	0.00103144	0.00107652	3.04757427	2.91995504
2401 * 1 matrix	0.000016814	0.000007202	0.000007283	2.33462927	2.30866401
2401 * 7 matrix	0.000079011	0.000029988	0.000029956	2.6347539	2.63756843
2401 * 49 matrix	0.000949255	0.000262046	0.000262627	3.62247468	3.61446081
2401 * 343 matrix	0.00315242	0.00105395	0.00101286	2.99105271	3.11239461
2401 * 2401 matrix	0.0219011	0.00724106	0.00723244	3.02457099	3.02817583

-O2to-O3Speedup
1.078091106
1.080321285
0.957654723
1.025928108
0.990537437
1.060218978
1.08797654
1.049693252
1.008836247
0.998948742
0.695298373
0.901294498
0.996500159
1.000049277
0.999747869
1.00365408
0.992389823
1.00115925
1.015291513
0.992631428
0.718360674
1.857762657
0.980219404
0.994528908
0.999990675
1.02016129
0.933901919
0.730054645
1.019593067
0.995426132
1.040076336
1.054945055
0.981914092
1.004218091
1.00037594
0.977393617
0.952631579
1.036637168
0.999591454
0.996032538
1.001635769
1.001830496
1.00249527
1.001175031
0.958124327
0.98887821
1.001068233
0.997787737
1.040568292
1.001191852