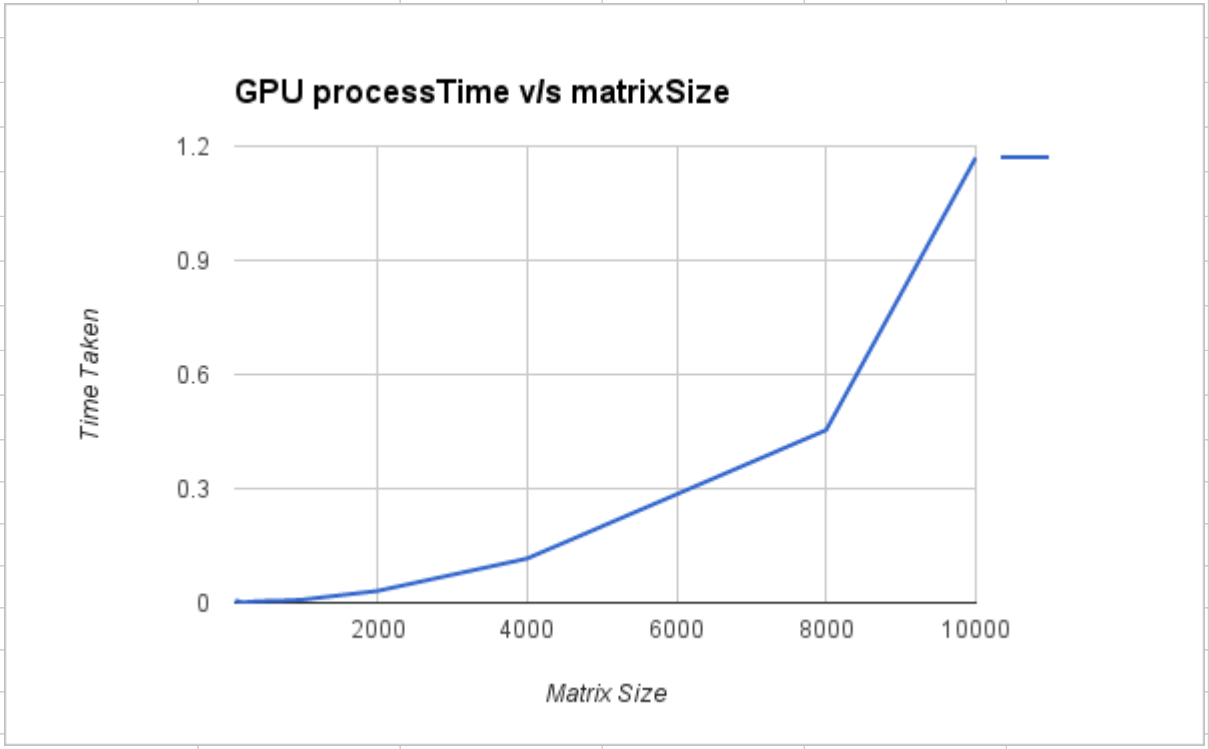

* GPU is way faster than CPU. 3 orders of magnitude difference in N=10000

* Time increases linearly with problem size, indicating that the problem has been trivially parallelized into a vector multiplication from a matrix multiplicatio