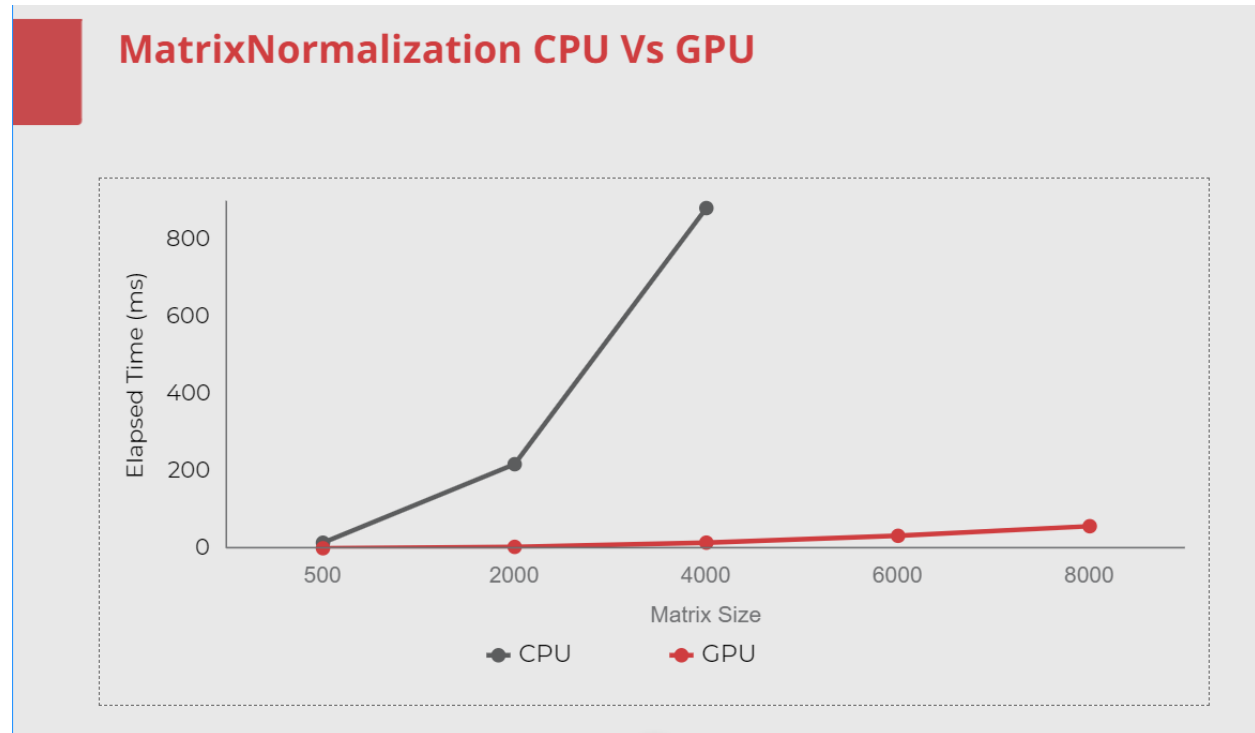


Performance Evaluation:

1. Keeping number of threads same for GPU, increase Matrix Size(N).
2. For CPU as Matrix Size increased beyond 6000, it timed out.



		A	B	C	D	E	F
	1		500	2000	4000	6000	8000
	2	CPU	14.991	218.764	883.223	NA	NA
	3	GPU	0.707	4.254	15.22	32.966	57.86

$$\text{Speedup} = T_s / T_p$$

$$= 883.233 / 15.22 \text{ (256 Threads per block, } N=4000\text{)}$$

$$= 58.03$$

$$\text{alpha (efficiency)} = 0.013$$