DGEMM TIMING [ms]								
Matrix Dimension	**4000**	**8000**	**12000**	**16000**	**20000**	**24000**	**28000**	**32000**
Tiled-MM	83	352	1053	2236	4282	7086	11171	16205
cublasXt (vanilla)	167	1252	4122	9811	19004	32888	51718	76882
cublasXt (tuned)	127	412	1059	2285	4252	7127	11113	16345

DGEMM THROUGHPUT [GFlop/s]								
Matrix Dimension	**4000**	**8000**	**12000**	**16000**	**20000**	**24000**	**28000**	**32000**
Tiled-MM	1542.17	2909.09	3282.05	3663.69	3736.57	3901.78	3930.18	4044.18
cublasXt (vanilla)	766.47	817.89	838.43	834.98	841.93	840.67	848.91	852.42
cublasXt (tuned)	1007.87	2485.44	3263.46	3585.12	3762.94	3879.33	3950.69	4009.54

DGEMM THROUGHPUT [%peak performance]								
Matrix Dimension	**4000**	**8000**	**12000**	**16000**	**20000**	**24000**	**28000**	**32000**
Tiled-MM	34.27%	64.65%	72.93%	81.42%	83.03%	86.71%	87.34%	89.87%
cublasXt (vanilla)	17.03%	18.18%	18.63%	18.56%	18.71%	18.68%	18.86%	18.94%
cublasXt (tuned)	22.40%	55.23%	72.52%	79.67%	83.62%	86.21%	87.79%	89.10%
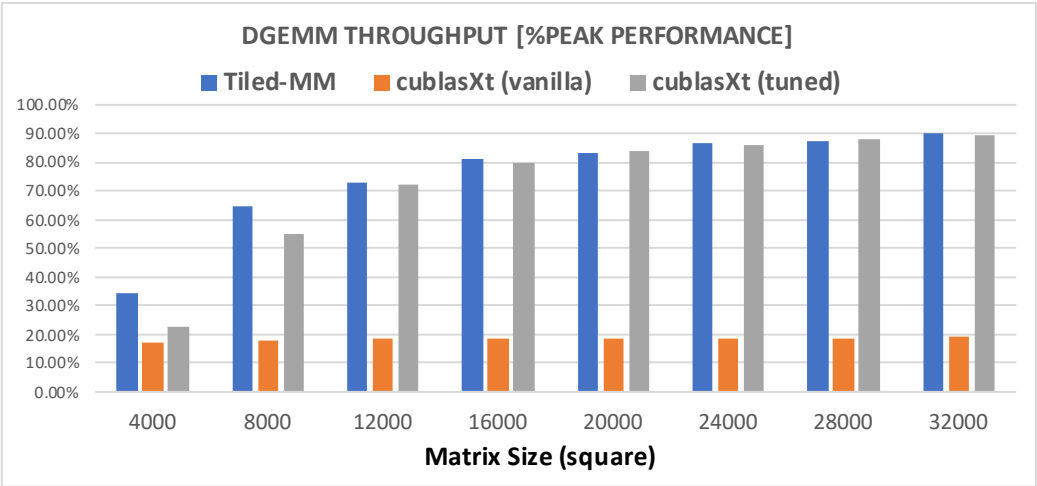
peak throughput [Gflop/s]	4500
Graphics Card	NVIDIA P100
cudatookit version	10.1