Data from running :

```
for n in 128 192 256 384 512 768 1024 1536 2048;
 do     echo -ne $nt >> mtxMultiplyProfile;
 ./ptimemultiply $n 1 >> mtxMultiplyProfile; done

for n in 128 192 256 384 512 768 1024 1536 2048;
  do     echo -ne $nt >> mtxMultiplyProfile;
  ./ptimemultiply $n 2 >> mtxMultiplyProfile; done

for n in 128 192 256 384 512 768 1024 1536 2048;
  do     echo -ne $nt >> mtxMultiplyProfile;
  ./ptimemultiply $n 3 >>  mtxMultiplyProfile; done

for n in 128 192 256 384 512 768 1024 1536 2048;
 do     echo -ne $nt >> mtxMultiplyProfile;
 ./ptimemultiply $n 4 >> mtxMultiplyProfile; done
```

Threads: 1
0.010495	0.005843	0.006341
0.028220	0.022967	0.024868
0.053346	0.056714	0.050666
0.161465	0.152446	0.159345
0.366919	0.357090	0.368407
1.204320	1.196387	1.202859
2.934068	2.922738	2.968047
9.922737	9.914455	10.058668
23.468226	23.461429	23.460662

Threads: 2
0.007192	0.007133	0.006954
0.019720	0.015568	0.013420
0.035314	0.031007	0.027983
0.087355	0.085374	0.089545
0.190058	0.197384	0.198516
0.625959	0.629656	0.628030
1.517283	1.515384	1.538852
5.111999	5.110251	5.184066
12.090712	12.086609	12.089291

Threads: 3
0.005107	0.004952	0.005003
0.015987	0.016010	0.013790
0.016739	0.016980	0.021162
0.064651	0.061131	0.060980
0.136234	0.134229	0.134733
0.428568	0.434557	0.432197
1.040933	1.043946	1.053486
3.497636	3.498054	3.537673
8.278215	8.275488	8.278231

Thread: 4
0.004011	0.004247	0.003847
0.008683	0.005844	0.005583
0.012906	0.012855	0.012919
0.042088	0.042247	0.042629
0.098370	0.097934	0.099495
0.329105	0.329907	0.330154
0.798945	0.795852	0.808042
2.688160	2.687280	2.725116
6.355615	6.373270	6.355293