

| NEW KERNEL VERSION | | | | | | | |
|--------------------|-----------|-----------------|------------------|---|------------------|---|------------------------------|
| Cols x Rows | Word Size | Table Size (MB) | CPU Duration (s) | CPU Throughput (Exponentiations / s) | GPU Duration (s) | GPU Throughput (Exponentiations / s) | Duration Speedup (GPU / CPU) |
| 10x10 | 4 | 0.000 | 0.009 | 1.16E+04 | 0.006266 | 1.60E+04 | 1.38x |
| 10x100 | 4 | 0.004 | 0.081 | 1.23E+04 | 0.007669 | 1.30E+05 | 10.60x |
| 10x1000 | 4 | 0.038 | 0.813 | 1.23E+04 | 0.009351 | 1.07E+06 | 86.91x |
| 100x10 | 4 | 0.004 | 0.082 | 1.22E+04 | 0.034208 | 2.92E+04 | 2.40x |
| 100x100 | 4 | 0.038 | 0.815 | 1.23E+04 | 0.043283 | 2.31E+05 | 18.83x |
| 100x1000 | 4 | 0.381 | 8.167 | 1.22E+04 | 0.057387 | 1.74E+06 | 142.31x |
| 1000x10 | 4 | 0.038 | 0.821 | 1.22E+04 | 0.30366 | 3.29E+04 | 2.71x |
| 1000x100 | 4 | 0.381 | 8.164 | 1.22E+04 | 0.397974 | 2.51E+05 | 20.51x |
| 1000x1000 | 4 | 3.815 | 81.722 | 1.22E+04 | 0.541354 | 1.85E+06 | 150.96x |
| 1000x100000 | 4 | 381.470 | - | - | 54.568354 | 1.83E+06 | - |
| OLD KERNEL VERSION | | | | | | | |
| Cols x Rows | Word Size | Table Size (MB) | CPU Duration (s) | CPU Throughput (Exponentiations / s) | GPU Duration (s) | GPU Throughput (Exponentiations / s) | Duration Speedup (GPU / CPU) |
| 10x10 | 32 | 0.003 | 0.009 | 1.15E+04 | 0.029228 | 3.42E+03 | 0.30x |
| 10x100 | 32 | 0.031 | 0.082 | 1.22E+04 | 0.269627 | 3.71E+03 | 0.30x |
| 10x1000 | 32 | 0.305 | 0.817 | 1.22E+04 | 2.577824 | 3.88E+03 | 0.32x |
| 100x10 | 32 | 0.031 | 0.083 | 1.21E+04 | 0.032089 | 3.12E+04 | 2.57x |
| 100x100 | 32 | 0.305 | 0.816 | 1.23E+04 | 0.315534 | 3.17E+04 | 2.59x |
| 100x1000 | 32 | 3.052 | 8.224 | 1.22E+04 | 3.147171 | 3.18E+04 | 2.61x |
| 1000x10 | 32 | 0.305 | 0.824 | 1.21E+04 | 0.03293 | 3.04E+05 | 25.02x |
| 1000x100 | 32 | 3.052 | 8.254 | 1.21E+04 | 0.324776 | 3.08E+05 | 25.41x |
| 1000x1000 | 32 | 30.518 | 82.066 | 1.22E+04 | 3.183036 | 3.14E+05 | 25.78x |
| 1000x100000 | 32 | 3051.758 | - | - | 317.945872 | 3.15E+05 | - |