

FIGURE C.7.3 SGEMM dense matrix-matrix multiplication performance rates. The graph shows single precision GFLOPS rates achieved in multiplying square N×N matrices (solid lines) and thin N×64 and 64×N matrices (dashed lines). Adapted from Figure 6 of Volkov and Demmel [2008]. The black lines are a 1.35 GHz GeForce 8800 GTX using Volkov's SGEMM code (now in NVIDIA CUBLAS 2.0) on matrices in GPU memory. The blue lines are a quad-core 2.4 GHz Intel Core2 Quad Q6600, 64-bit Linux, Intel MKL 10.0 on matrices in CPU memory.

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