FIGURE 5.49 Performance of multiple versions of DGEMM as change matrix size measured in billion floating point operations per second (GFLOPS/second). The fully optimized code is 14–32 times as fast as the C version in Chapter 2. Python runs at 0.007 GFLOPS/second for all matrix sizes. The Intel i7 hardware speculates by prefetching from the L3 cache to the L1 and L2 caches, which is why the benefits of blocking are not as high as on some microprocessors.