

- Explains much of triple loop's poor performance (the other major optimization is unrolling and scalar replacement for better instruction parallelism and register usage)

- Blocking achieves both: better spatial and better temporal locality with respect to the cache

- In 2.) the number of cache misses = amount of data transferred cache <-> memory is O(n^3/sqrt(C)). Hence the operational intensity is O(sqrt(c)). It is known that this is optimal, i.e., Theta(sqrt(c)).