NOTES: Cache Optimization

notes/cache-optimization.md

Optimizing Programs for the Cache

Traversing Arrays

- When traversing arrays, it's best to traverse the rows as outer loop, columns in inner loop
  - Because of spatial locality, you're more likely to access the same cache line multiple times in a row
- If the entire array fits in the cache, the direction of traversal doesn't matter
- It's better to combine multiple traversal loops into one to improve locality

Matrix Multiplication