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Data Structures and Algorithms

PDC Reading Week 9

What is false sharing for the cache?

It is when individual elements seem like they are being shared by multiple cores but they aren’t.

What is a mutex lock and when would you use it? Give an example.

Mutex lock is great for multithreading. It can be initialized at the beginning of the for loop and ends and the end of the for loop.

What is #pragma omp for?

Another way of executing threads that involves the chunking method.

What questions do you have about the reading

What method is used more? Mutex or OpenMP?