Self Study Class Notes

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## Chapter 1

## CPU Cache

## 1.1 Why you care

CPU Cache ar the small amount of uswally fast memory Variation of Row vs Column traversals

Traversal order matter Row traversals are faster than column traversals.

- $\bullet$  Generally hold contents of recently accessed memory locations
- Access latency much smaller than for main memory

Three common types

- Data Cache
- Instructions Cache
- $\bullet$  TLB