

Associative Memory Implementation Using Tuple Spaces

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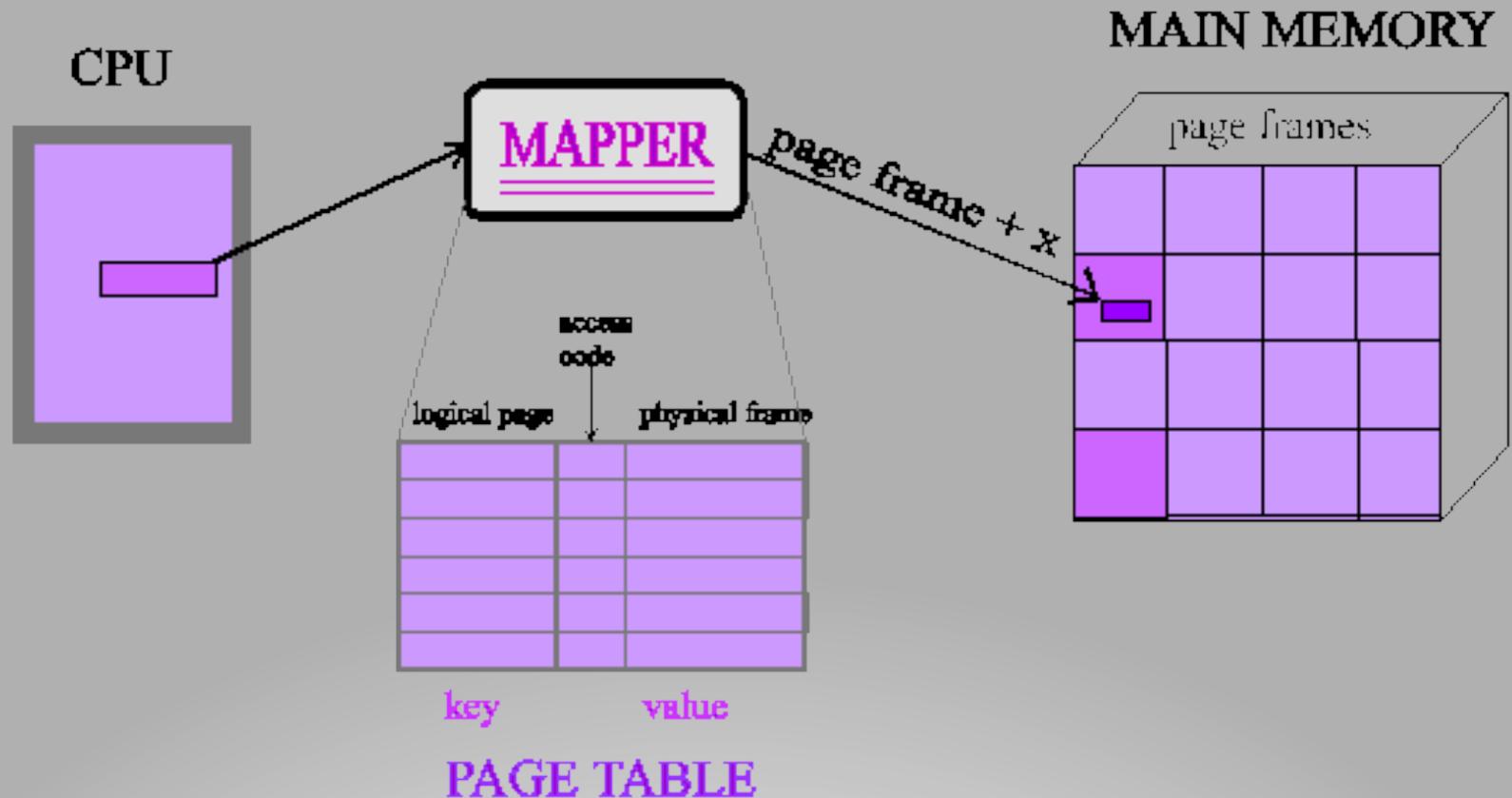
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- Parallel Programming
- IEL and MPI



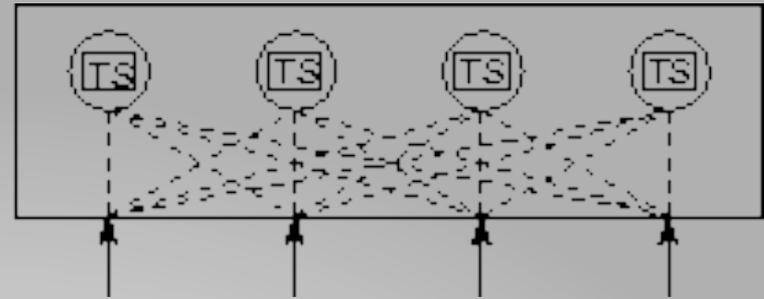
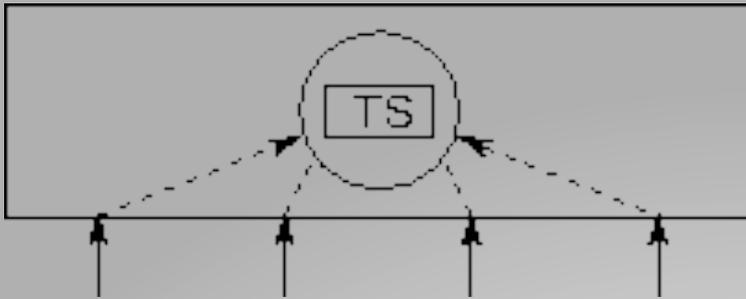
Introduction

VIRTUAL MEMORY



What is Associative Memory?

- Tuple Space
 - Made up of tuples that contain
 - A key used for matching
 - Zero or more arguments
 - Perfect Candidate for a database
 - Performance?
 - Consider the implementation to the tuple space.



Current Implementation

1. Implement multiple tuple spaces on multiple processors
2. Redesign the existing IEL to communicate with multiple tuple spaces
3. Add a master tuple space that facilitates communication between users and multiple tuple spaces

Current Objectives



Questions?