Mindluster Platform

About the course Parallel Computer Architecture

Parallel Computer course in hindi, in this course Explore the principles and techniques of parallel computing, leveraging multiple processors for enhanced computational power.

Computer Science Category's Courses

Course Lesson(25)

Lesson 1 : **Parallel Computer Architecture Introduction Video**

Lesson 2 : **Lec 1 Why do we need parallel architecture**

Lesson 3 : **Lec 2 Multicore Revolution**

Lesson 4 : **Lec 3 What is Parallel Architecture**

Lesson 5 : **Lec 4 Performance and Benchmarking**

Lesson 6 : **Lec 5 Reporting Results**

Lesson 7 : **Lec 6 Some Laws**

Lesson 8 : **Lec 7 A shift from sequential to parallel**

Lesson 9 : **Lec 8 Programming Models**

Lesson 10 : **Lec 9 Shared Memory Paradigm**

Lesson 11 : **Lec 10 Message Passing Paradigm**

Lesson 12 : **Lec 11 Examples**

Lesson 13 : **Lec 12 Cache Basics**

Lesson 14 : **Lec 13 Memory hierarchy questions 1**

Lesson 15 : **Lec 14 Memory hierarchy questions 2**

Lesson 16 : **Lec 15 Six basic cache optimisations 1**

Lesson 17 : **Lec 16 Six basic cache optimisations 2**

Lesson 18 : **Lec 17 Virtual Memory 1**

Lesson 19 : **Lec 18 Virtual Memory 2**

Lesson 20 : **Lec 19 Cache Coherence Problem**

Lesson 21 : **Lec 20 Concept of Serialisation**

Lesson 22 : **Lec 21 Coherence related Conditions**

Lesson 23 : **Lec 22 Types of Coherence Protocols 1**

Lesson 24 : **Lec 23 Types of Coherence Protocols 2**

Lesson 25 : **Lec 24 VI Protocol**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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