## Introduction to Parallel Computing

Tuesday, August 21, 2018 11:37 AM

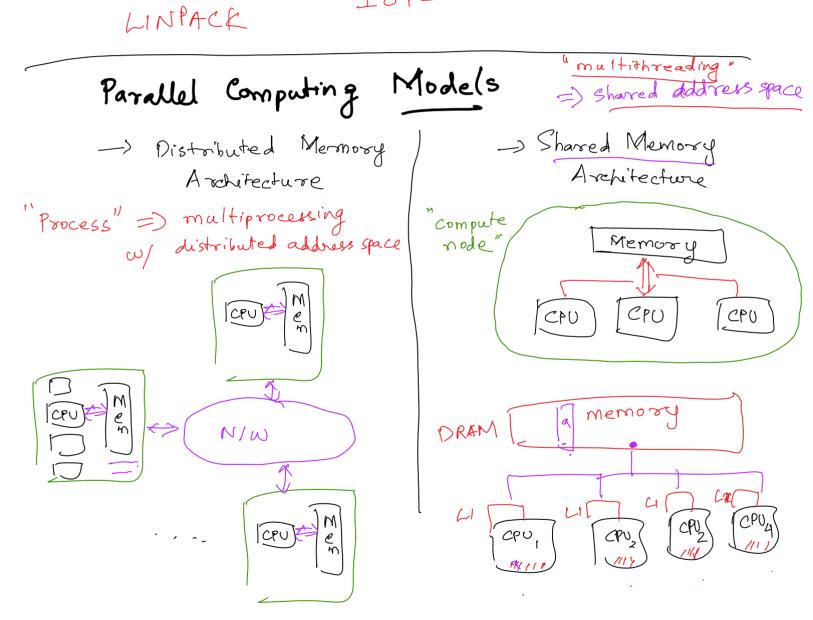
Cpts 411

Parallel Computing — tightly coupled parallel

Distributed Computing — loosely coupled

Lop 500. 089 = FLOPS (floating point operations

per sec.



Programming Models Parallel Instruction Single Data (SISD) ) Single Cinherently sorial) Instruction Multiple Data (SIMD) 2) Single Program Counter L "Vector processing or Maltiple Instruction 3) Maltiple (MIMP) asynchronous e xeeutim "mulfiproc essay Single Data (MISD) (netruction Maltiple

Automata Processor (NFAS) Micron Cerample where an, an MISD can be applied " Vi 93 Process SISDY SIND SINDY Shared memory MIMDY Astributed memory Process Basic Concepts [st Sharred Chapter 1)