

# Performance of Parallel Programs

- Relevant aspects
  - ◆ Hardware characteristics
    - Determine how fast resources and communication are
  - ◆ Operating system and system configuration
    - How well are local resources utilized
  - ◆ Communication and I/O libraries
    - How well could a parallel program utilize the **parallel** computer
  - ◆ Code
    - Should perform only computation – relevant for the solution
    - Everything else including communication: **Overhead**