

Process Classification

Traditionally

CPU-bound processes vs. I/O-bound processes

Alternatively

Interactive processes responsiveness

- ▶ command shells, editors, graphical apps

Batch processes no user interaction, run in background, often penalized by the scheduler

- ▶ programming language compilers, database search engines, scientific computations

Real-time processes video and sound apps, robot controllers, programs that collect data from physical sensors

- ▶ should never be blocked by lower-priority processes
- ▶ should have a short guaranteed response time with a minimum variance