



Slide 2



Multithreaded Programming with "P-Threads"

- POSIX (Portable Operating System Interface) defines interface for multithreaded programming — variously called P-Threads, Pthreads, pthreads.
- Fairly primitive, but likely to be found on wide range of systems.
 - A quick tour ... (Also, I posted on the course Web site some examples you can download and play with.)
- Slide 4



P-Threads — Locks • Declare as opaque data type pthread_mutex_t. • Initialize, clean up with pthread_mutex_init(); pthread_mutex_destroy(). • Lock, unlock with pthread_mutex_lock(), pthread_mutex_unlock(). • Semi-real-world example of use: Multithreaded program to estimate π with numerical integration (under "sample programs" on course Web site).

Slide 6





Slide 8

