

Slide 1

Administrivia

- Reminder — Homework 1 on Web; due next Tuesday.

Slide 2

Homework 1 / Questions from Minute Essay

- Okay to recycle code from any of the “sample programs” on the Web (updated earlier today). You don’t have to be this verbose (in comments or code). But do remember — a human may read your code.
- Submit code by e-mail. I plan to compile and test. This is easier to automate if everyone sticks to the requested user interface. You’ll lose (some) points if you don’t.
- MPI reference? man pages, or follow links from course Web page to MPI standard (1.1).
- Okay to use C++, or think of this as an incentive to practice straight C.
- Possible/okay to develop/test on other systems, but it has to work on the lab machines.

A Bit More About the Numerical Integration Example

- Recall example from last time — approximate π by approximating the integral $\int_0^1 \frac{4}{1+x^2} dx$ — divide area under curve into many small rectangles, compute their areas, sum up results.
- In general, we hope that “parallelizing” a sequential program doesn’t change its output, except maybe for execution time. Notice what happens here, though. Why?

Slide 3

Minute Essay

- None — sign in.

Slide 4