

Slide 1

Administrivia

- Homework 3 deadline extended to Thursday.
- Homework 4 on Web; due next Thursday.
- (Review minute essay from last time.)

Slide 2

Example Application — Heat-Diffusion Problem

- (Review code.)
- (Develop improved version that has a single process do all printing.)

Homework 3 — MPI

Slide 3

- Like the heat-diffusion problem, this problem fits the *Geometric Decomposition* pattern.
- An OpenMP version should be fairly straightforward.
- An MPI version is trickier, but it's a good place to use the *Distributed Array* pattern (for the 2D arrays). (Discuss how to do that.)

Some Unsolicited Advice

Slide 4

- Fighting with one's tools is no fun. If you don't like whatever text editor you're using for C, either spend some time trying to learn more about it (e.g., `vimtutor`) or choose another one! You may like `gedit`. A student recommends `KDevelop`.
- If you don't remember syntax for separating C's `stdout` output stream from its `stderr` output stream, this might be a good time to review. Examples of redirecting output:
`foo 1>foo.out` to put output to `stdout` in `foo.out`. (`stderr` still goes to the terminal.)
`foo 2>foo.err` to put output to `stderr` in `foo.out`. (`stdout` still goes to the terminal.)
`foo 1>foo.out 2>foo.err` to redirect both output streams.

Minute Essay

- None — sign in.

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