

Deconstructing Science Problems into Parallel Jobs

Wednesday afternoon, 1:15p

Zach Miller <zmiller@cs.wisc.edu>

Systems Programmer
Condor Project

Decomposing Large Tasks

- We've used blast as an example
- Take it to the next level – try to run yeast.aa against drosoph database
- You will need grid resources to accomplish this
- Is your job sized correctly?

Let's try also with fractals

- Make a 4096 by 4096 image
- One MILLION iterations
- How many tiles should you use?
- (How do you know?)

Fractal Generation

- Let's make some cool images!

-.74992 .01495 .0002

-.749923 .0149166 .00001

0.001643721971153

-0.822467633298876 1e-13

Questions?

- Questions? Comments?