Course Announcement: MTH 654
Large Scale Scientific Computing Methods
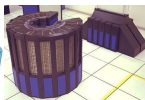
http://www.math.oregonstate.edu/~mpesz/teaching/654_F09/

flop ...   Kflops...   Mflops...   Gflops...   Tflops...   Pflops ?

Course content: theory

- theory and implementation details for solving large linear and nonlinear systems of equations
- Newton-Krylov methods, multigrid and domain decomposition

Course content: weekly lab

- introduction to parallel computing
- how to function in a high performance computing environment
- a module on multicore architectures and on programming GPUs for using NVIDIA CUDA programming environment

Students: the class is designed for motivated graduate students and well prepared undergraduates.

Contact me with questions – also on scheduling -

mpesz@math.oregonstate.edu

INSTRUCTOR: MAŁGORZATA PESZYNSKA, MATHEMATICS DEPARTMENT