

- http://www.seas.upenn.edu/~cis565/
- Schedule, reading, slides, audio, homework, etc.



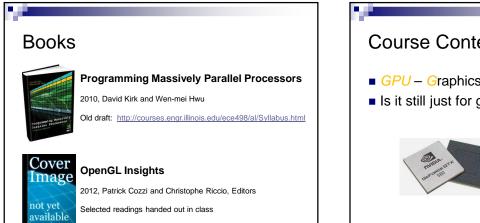




- Used for course materials, homeworks, and the final project
- Create an account: □ https://github.com/signup/free
- Join our GitHub organization: □ https://github.com/CIS565-Spring-2012
- Who is new to source control?

Prerequisites

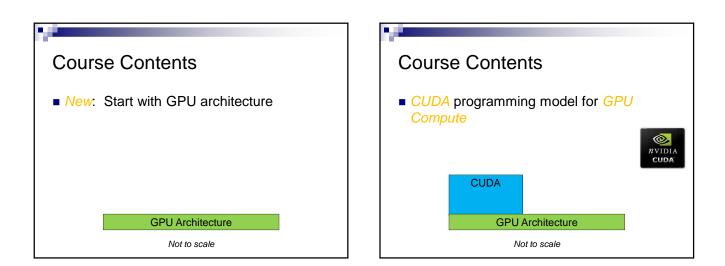
- CIS 460/560
- CIS 371 or CIS 501
- Strong C or C++

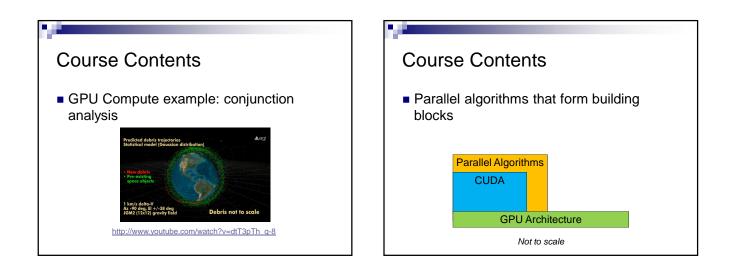


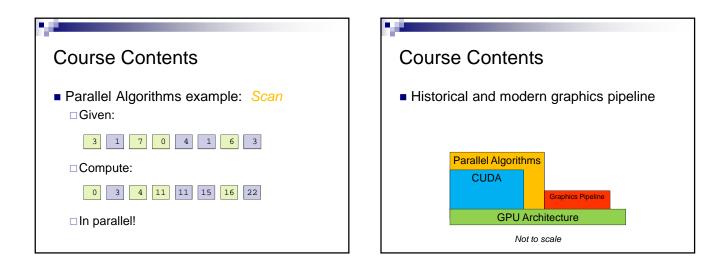
Course Contents

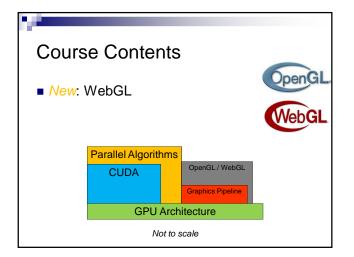
- GPU Graphics Processing Unit
- Is it still just for graphics?



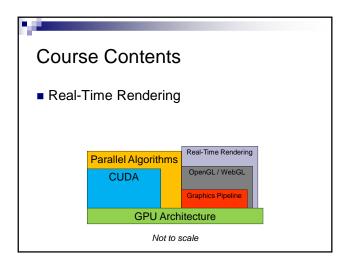






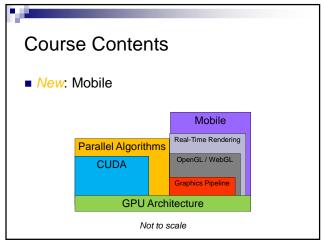


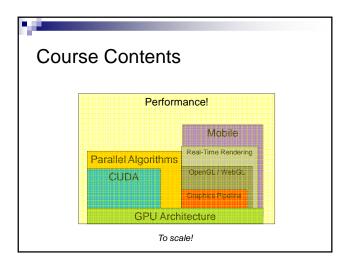


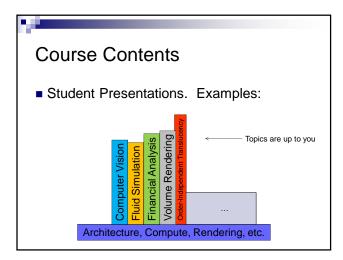




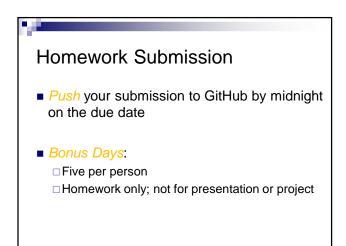


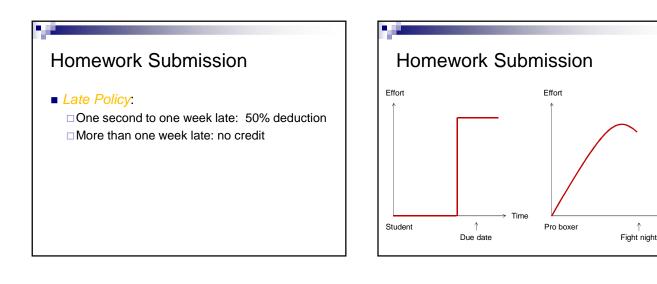






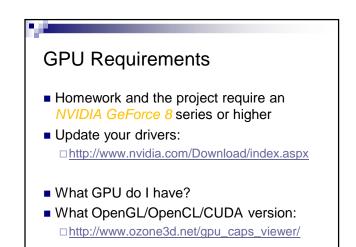
Grading Homeworks (5) 40% Student Presentation 10% Final Project 40% Final 10%





Academic Integrity

http://www.upenn.edu/academicintegrity/



Time

GPU Requirements

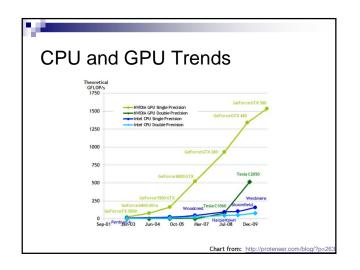
Lab Resources

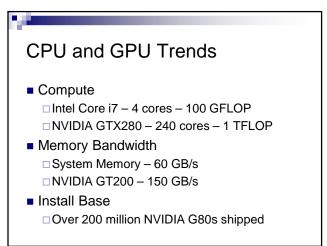
□ Moore 100b - NVIDIA GeForce 9800s

- SIG Lab Most machines have at least NVIDIA GeForce 8800s. Two machines have a GeForce 480, and one machine has a Fermi Tesla card
- Contact Varun

CPU and GPU Trends

- FLOPS FLoating-point OPerations per Second
- GFLOPS One billion (10⁹) FLOPS
- TFLOPS 1,000 GFLOPS





Class Exercise

Parallel sorting

Reminders

- Include "[CIS565]" in email subject line.
- Signup for our google group:
 <u>http://groups.google.com/group/cis565-s2012</u>
- Join our GitHub organization:
 Signup: <u>https://github.com/signup/free</u>
 Organization: <u>https://github.com/CIS565-Spring-2012</u>
- No class or office hours Monday, 01/16.