Computer code too slow?

Learn High-Performance Scientific Computing at NYU this fall!

What will you learn in this class?

You will learn how to write programs that run fast and use computers efficiently.

If you have a computation-heavy problem that you would like to go faster, you're especially welcome.

What to expect

- Basic processor architecture / Performance of sequential code
- Shared Memory and OpenMP
- Distributed Memory and MPI
- GPUs and OpenCL
- Tools and Debuggers
- Examples drawn from numerical linear algebra and numerical methods for PDEs

Class and homework assignments will be based on C. (warm-up provided for those coming from Java or Fortran)

Assessment: Weekly homework, final project. (recommended even if auditing) We're looking forward to seeing you in the fall!

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Fall Semester 2012, Wednesdays 5-7pm

CSCI-GA 2945 / MATH-GA 2011



bit.ly/hpc12







