

GETTING STARTED WITH *CALCULUS AND MATHEMATICA*

Things to do today.

- (1) Choose a partener (get their contact info in case you need to get together for homework later).
- (2) Go to <http://cm.math.uiuc.edu>. Click on *ClassComm* on the left hand side menu. For your first login, both your username and password are your netid. Please change your password. *You will use ClassComm more next time.*
- (3) If you (or your partener) have not worked with Mathematica before:
 - Go to <http://cm.math.uiuc.edu>. Click on *Download Lessons* on the left hand side menu. Follow **Mathematica 6.0 Courseware** → **FeelofMathematica**
 - Save the file *Numbers.nb* to your computer (it will be on the desktop after you save it). Double click this file to open it. This will open the notebook in *Mathematica*.
 - Start reading this notebook and follow the instructions there to practice using Mathematica.

If you have used Mathematica before download *2.04 Transform Integrals* and start reading from the *Basics*.

Things to do by next class.

- (1) Install Mathematica on your laptop from CITES <http://webstore.illinois.edu/>
- (2) Download the files in the folder *FeelofMathematica* as above; read through the notebooks and practice according to the instructions.
- (3) **Reading assignment** Download the first lesson from <http://cm.math.uiuc.edu> → *Download lessons* → *Mathematica 6.0 Courseware* → *Math220and231* → *Lessons* → *2.Accumulation* → *2.04.TransformIntegrals*
Download *2.04.1 Basics* and read through it. Mark down any questions you have to ask during next class.

Things to do during the second class.

- (1) Download *2.04.1 Basics*, *2.04.2 Tutorials* and *2.04.3 GiveItATry* from <http://cm.math.uiuc.edu> → *Download lessons* → *Mathematica 6.0 Courseware* → *Math220and231* → *Lessons* → *2.Accumulation* → *2.04.TransformIntegrals*
- (2) Watch the class assistant solve a sample problem.
- (3) Start working on the **pre-assignment**: G1 from *2.04.3 GiveItATry*.
Save your work often! **At the end of class upload the file with your work to ClassComm for safe storage.** You will be able to download it from there at home. Alternatively, you may use a flashdrive or bring your laptop to work directly on it.

Your pre-assignment is due Monday, Jan 26 at 11:59PM. You have the entire class on Monday to finish it up and ask questions about it.