

CME 212: L^AT_EX Tutorial

January 13, 2012

This assignment is an exercise in setting up a L^AT_EX document and generating a nice pdf. You will also be using the CME212 homework submission script on `corn.stanford.edu`.

1 The L^AT_EX document

Write a L^AT_EX document containing the following items:

- A title.
- Your name.
- The date.
- A section with a paragraph describing the computer setup you'll be using in the course.
- A section with a paragraph describing your interest in cme212. Why are you taking the course? What do you hope to learn?
- A section with your favorite joke.
- A section with your favorite equation. Mine is

$$Ax = b.$$

2 Submitting the assignment

You need to do a few things in order to use the submission script:

1. Log into `corn.stanford.edu` with your favorite ssh tool.
2. Create a CME212 directory in your HOME directory:

```
$ cd ~  
$ mkdir CME212
```

3. Create a hw1 directory in the CME212 directory:

```
$ cd ~/CME212  
$ mkdir hw1
```

Now you are ready to submit the assignment.

1. Create (or upload) your files in the CME212/hw1 directory.
2. Make sure your document compiles with the `pdflatex` command on corn:

```
$ pdflatex mydoc.tex
```

3. Please delete all auxiliary files that `pdflatex` generates. We'd like the homework directory to only contain the `.tex` and `.pdf` files.
4. Submit the homework:

```
$ /afs/ir/class/cme212/bin/submit hw1
```

3 A hint

You can use `make` to compile `tex` files in the same way you do for code files. In this case, your `makefile` might look like:

```
mydoc.pdf: mydoc.tex  
    pdflatex mydoc.tex
```

Note that you must use tab characters for indentation in makefiles.