AMTH142 Practical 1

\LaTeX — Introduction

The objective of this practical is to get the very important first assignment done.

1 Managing Files

The first assignment involves a number of operations on files:

1. Downloading the small \LaTeX file assign1.tex
2. Editing the file.
3. Running the file through \LaTeX to produce a .dvi file.
4. Producing a .ps or .pdf file from the .dvi file.
5. Emailing the edited .tex file and the .ps or .pdf file to amth142

Depending on how your system is set up, this requires five programs:

1. Web browser.
2. Text editor.
3. Latex.
4. .dvi to .ps/.pdf converter.
5. Mailer.
Each of these must know exactly where the appropriate files live. In most cases the files in steps 2 to 4 will all be in the same directory, so the only things you will need to do are:

1. When downloading the file assign1.tex ensure it is placed in the correct directory.

2. Make sure your mailer knows where to look for the .tex and .ps/.pdf files.

2 Doing Assignment 1

I will now assume that you know how to download, edit and mail files.

2.1 Windows/WinEdit

The only hard part should be the points mentioned above of putting assign1.tex in the right place and knowing how to access files from your mailer.

The process of editing, running LATEX and converting to .ps/.pdf should be straightforward within WinEdit.

2.2 Linux

Once the file assign1.tex has been edited the commands

```
latex assign1.tex
dvips -o assign1.ps assign1.dvi
```

are all that is needed. To view the result using ghostview

```
gv assign1.ps
```

The .dvi file can be viewed directly using xdvi

```
xdvi assign1.dvi
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