Automation and Scripting: Lab 1 Math/CS 471

AUTHOR1 and AUTHOR2

today

Abstract

Brief summary of your report.

1 Introduction

LaTeXis a useful tool to typset reports, papers and other scientific documents.

1.1 Equations

It has very powerful support for equations such as these:

$$f(x) = e^{1/2-\sin(5\pi x)}, \tag{1}$$

$$p(x) = 1 + x + x^2. \tag{2}$$

1.2 Referencing

LaTeXalso supports a very convenient labeling / referencing system through the commands `\label / \ref` . Above, equation (2) is a polynomial and the function described by equation (1) is plotted in Figure 1.

Note that you may have to compile the document two times to get all the cross-referencing to work correctly.

1.3 Figures

Figures are also easy to incorporate. It is often best to use a figure format that is based on vector graphics, e.g. Encapsulated PostScript (eps). An example is given in Figure 1 where equation (1) is displayed.

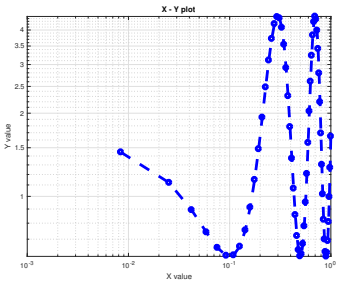

Figure 1: This figure displays the function $f(x) = e^{1/2-\sin(5\pi x)}$.

1.4 Tables

Tables are often useful to display data more compactly than figures.

Breakfast	Spam
Lunch	Sausage
Dinner	Potatoes

Table 1: A table of delicious meals.

1.5 Tables 2

This is the modified new table

Breakfast	Very important
Lunch	Important
Dinner	Less important

Table 2: The importance of each meal.