

ELEC 1908 - L^AT_EX Assignment

~~February 15th, 2011~~ March 3 2015 Due March 10!

1 Purpose

The purpose of this assignment is to familiarize yourself with the program L^AT_EX. Learning this language will also introduce you to the concept of a typesetting program, and you will gain some new familiarity with coding and computers in general. L^AT_EX is used throughout science and engineering communities - knowledge of this language as well as having been introduced to ‘one more language’ can be helpful in future labs and jobs.

2 Assignment

- Retrieve and unzip <http://www.doe.carleton.ca/~drburke/latex.zip> on your network drive
- In this archive are examples, guides and the assignment
- Open TeXnicCenter and the ‘tex’ file from the archive
Using TeXnicCenter compile this file to PDF. These two files are your starting point. Make sure to select “LaTeX=>PDF” from the build drop down menu.
- Goal is to recreate ‘final.report.pdf’, you may copy and paste the text, but watch for errors and problems, help can be found online and in the provided manuals
- Do not worry if the tex program puts things in a different order, L^AT_EX will deal with style and order, you are to deal with the content, links, references, equations, etc.
- Create a new section for the report, include Schrodinger’s equation (in any form), and reference this equation in a short sentence or paragraph describing the equation. Add a citation and reference to the information (can be wiki, or anything).
- In this new section explain how one can open a terminal/command prompt in windows, navigate to the correct folder for your ‘tex’ file and compile the document using only terminal commands
- Submit **only** .tex file and .pdf file to drburke@gmail.com with ‘ELEC 1908-Latex Assignment’ as the subject

3 Common Problems

- Compile twice, always
- Watch for superscripts or subscript problems
(Am^{241} vs. Am^{241} , K_{α} vs. K_{α})
- Figures (JPGs) should be in the same folder as your .tex file
- Know the difference between a filename and a label, also be descriptive

4 Grading

	III	II	I
Submission	Assignment is submitted on time and follows the correct file types, subjects, etc.	Small problems with submission	Many problems with submission, file types, or lateness
Overall	All parts of lab included	Some missing parts or problems	Many missing parts, problems
Fig/Tables	All figures included, properly labelled and captioned	Some problems with figures, or missing figures	Many missing figures, improper labels or captions
Eqns	All special characters included, no problems or errors	Some broken special characters or equations	Many broken special characters or equations
Schrod	Added equation, text, reference and citation	Some problems with section	Many problems or section missing
Terminal	Added section properly, no problems	Some problems with section	Many problems or section missing