

Installing L^AT_EX with TeXlipse on Windows 7 x64

This instruction is prepared for someone who needs to produce high quality documents using L^AT_EX. He knows how to install Microsoft word on windows. He has access to internet and knows how to use browser. He knows how to download files from internet and how to run them. He must have an administrative access to the computer he is installing TeXlipse onto. Computer literacy in general is needed.

The software that you will need: Tex Live, Eclipse.

Note: L^AT_EX has two main distribution Tex Live and MiKTeX, we use Tex Live.

Note: There are many editors for L^AT_EX we use TeXlipse.

1. Download and install L^AT_EX distribution

- a) Go to website <https://www.tug.org/TexLive/acquire-netinstall.html>
- b) Download and run install-tl-windows.exe
- c) Choose simple install (big) and click next
- d) Click install. This will unpack the installer into a temporary location. The installer will show up afterwards. Then click next
- e) Choose the mirror of your convenience from drop-down menu click next
- f) Choose the destination folder, remember this folder or write it down for future reference, then click next
- g) Choose the paper type that you will use for your documents then click next
- h) Check the installation setting or change them to your convenience and then click install
- i) Wait until installation completes this step will take some time depending on your system and internet connection

2. Download and install Eclipse

- a) Go to <https://www.eclipse.org/downloads/> and choose your favorite Eclipse
- b) If in doubt which Eclipse you will need, click on windows 32Bit and download it
- c) Extract the downloaded files into c:\eclipse (this path step is necessary since the path for some of the files is so long)
- d) Run Eclipse by double clicking on c:\eclipse\eclipse.exe

3. If faced a error asking for Java Runtime Environment follow next step if not disregard next step

4. Configure Java Runtime Environment for Eclipse

- a) Go to from <http://www.oracle.com/technetwork/java/javase/downloads/java-se-jre-7-download-432155.html>
- b) Accept the terms and download JRE from <http://download.oracle.com/otn-pub/java/jdk/7/jre-7-windows-x64.exe>
- c) Install JRE after the download was complete
- d) Find JRE7 in c:\Program Files \Java
- e) Copy the JRE7 folder to c:\eclipse
- f) Rename the folder JRE7 to JRE (this will fix the problem for JRE because Eclipse will look for binary files in c:\eclipse \jre \bin)

5. Install TeXlipse inside Eclipse

- a) Run Eclipse program

- b) Go to the help menu, click on install new software
 - c) Click on add (a dialogue box will show up)
 - d) Choose TeXlipse as name
 - e) Choose <http://TeXlipse.sourceforge.net/> as location
 - f) Click next
6. Make the first Document
- a) Run Eclipse
 - b) Choose file in the menu
 - c) Choose TeXlipse project
 - d) Write your document name
 - e) Choose type of your document
 - f) Choose format (Remember the location where you installed Tex Live.)
 - g) Click on setup build tools make sure all the tools have the .exe (binary) file allocated to them.
 - h) If the build tools are empty, give the location of your Tex Live installation that you have saved in step 1 and click next
 - i) Choose the name for that paths that you are going to work for hen click next
 - j) Look for the text editor. There will be a space for you the document
 - k) Type $\sum F = ma$ after *begin{document}*
 - l) Find your project's name on the left side in project explorer
 - m) Open the project folder
 - n) Open the output folder
 - o) Double click on the pdf file that you have produced and see it
7. Finally, read, print, and review the document you have made with L^AT_EX