

Introduction to L^AT_EX Workshop: Installation Guide

This is a brief guide describing various options for installing a L^AT_EX compiler and editor on your laptop or other computational device. The major software providers all provide automatic installers so in most cases it is as simple as navigating to the proper website and double clicking on an application.

1 Installing L^AT_EX on your computer

1.1 Installing L^AT_EX on Mac

The standard compiler for Mac computers is called MacT_EX which can be downloaded and installed from: <http://tug.org/mactex/>. The editor T_EXMaker can be downloaded and installed from: www.xmlmath.net/texmaker.

1.2 Installing L^AT_EX on Windows

The standard compiler for Windows computers is called MikT_EX which can be downloaded and installed from: <http://miktex.org/>. The editor T_EXMaker can be downloaded and installed from: www.xmlmath.net/texmaker.

1.3 Installing L^AT_EX on Linux

Many contemporary Unix distributions are already packaged with a L^AT_EX compiler and editor. If you are using Ubuntu or Debian then you can install directly from the terminal by entering: `sudo apt-get install texlive-full` followed by `sudo apt-get install texmaker`. On RedHat or CentOS you can use `sudo yum install tetex` to obtain the compiler. Installing T_EXmaker is a little more complicated but any text editor will work as well.

2 Tablets and Mobile Devices

Most of the online editors have app versions that can be used from your phone or tablet. If you want to compile documents on these devices without an internet connection there are a few options. There are two popular ios apps: TeXPad and TeXWriter. Each of them costs approximately \$10 to install. In addition to versions of the previous two compilers, android devices have a free option in VerbTeX.

3 Online Editors

There are several good options if you don't want to install L^AT_EX on your computer: Overleaf formerly WriteLatex (<https://www.overleaf.com>), Papeeria (<https://papeeria.com/>), and ShareLatex (<https://www.sharelatex.com/>). These programs are entirely browser and cloud based, making them convenient and portable options. To use these services you will have to set up an account using your Dartmouth e-mail address.