

TU/e L^AT_EX theme under Linux T_EXlive

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August 18, 2011

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Chapter 1

L^AT_EX

T_EXLive is the default latex distribution for linux and is the replacement for Tetex which is the older version of latex that is not supported anymore. T_EXlive can be installed via Synaptic Package Manager. To use the command `epstopdf` also install the `texlive-extra-utils` in Synaptic Package Manager. Any missing package that can not be found in the Synaptic Package Manager can be downloaded from CTAN [1]. You can view the readme available on the website for the installation of packages. The following editors are recommended and can be installed via Synaptic Package Manager: Texmaker, Kile or Eclipse with latex plugin. In this case we use Texmaker. Enclosed you will find a script file called `texlivetue.sh`. Copy this script into your home directory `/home/<username>`. Make the script file executable as follows

```
$ sudo chmod a+x /home/<username>/texlivetue.sh
```

To install the TU/e theme run the executable as root, so

```
$ cd /home/<username>
$ sudo ./texlivetue.sh
```

This will apply the steps that are given in the next section. Next to the `texlivetue.sh` script file you will find two folders, called Poster and Presentation. The first is an example of making a poster with the DCT style of 2008 written by Erik Steur and Rob Mestrom. The second is a basic template for generating presentations with L^AT_EX including the TU/e theme.

1.1 Detailed explanation of TU/e huisstijl installation

The TU/e huisstijl contains several fonts and latex style-files that have to be installed in order to use the huisstijl.

An incomplete version (**check if still the case**) of the TU/e huisstijl tree can be downloaded from www.win.tue.nl/latex/localtexmf.zip. Save the zipfile to your Desktop. The following procedure describes how to place these files in the right location.

```
$ su
$ mkdir /usr/local/share/texmf
$ cd /usr/local/share/texmf
$ unzip /home/<username>/Desktop/localtexmf.zip
```

You have to install the `mt11p` fonts via CTAN and add them to the `texmf` folder. This can be done as follows. Download `mt11p.zip` file from <http://tug.ctan.org/tex-archive/fonts/mt11p/>. Save the zipfile to your Desktop. Unzip the zipfile to your Desktop. A folder called `mt11p` is created.

```
$ mkdir /usr/local/share/texmf/fonts/tfm/mt11p
$ mkdir /usr/local/share/texmf/fonts/vf/mt11p
$ cp -R /home/<username>/Desktop/mt11p/tfm/
    /usr/local/share/texmf/fonts/tfm/mt11p/
$ cp -R /home/<username>/Desktop/mt11p/vf/
    /usr/local/share/texmf/fonts/vf/mt11p/
$ cp /home/<username>/Desktop/mt11p/mt11p.map
    /usr/local/share/texmf/fonts/map/
```

Copy the map files of the fonts by typing

```
$ cp /usr/local/share/texmf/web2c/updmap.cfg
    /etc/texmf/updmap.d/30tue.cfg
```

For newer versions the config file is located in `../miktex/config`. So in that case the above should be replaced by

```
$ cp /usr/local/share/texmf/miktex/config/updmap.cfg
    /etc/texmf/updmap.d/30tue.cfg
```

Add the following line to `/etc/texmf/updmap.d/30tue.cfg`

```
Map mt11p.map
```

Now download the `pause.sty` package from CTAN [1] by searching for a file by name. Save it on your Desktop and put it in `texmf` directory as follows

```
$ cp /home/<username>/Desktop/pause.sty
    /usr/local/share/texmf/tex/latex/tue/
```

Finish the procedure in a Terminal by typing

```
$ texhash          (to update tex tree)
$ update-updmap    (to regenerate font files)
$ updmap-sys
```

The DCTposter style is not 100 percent compatible with TEXlive. In order to be able to use the DCT poster style file, do the following. Go to the location where the style file `DCTtuepdfscreen2008.sty` is located:

```
$ cp DCTtuepdfscreen2008.sty DCTtuepdfscreen2008linux.sty
```

Perform the following change in `DCTtuepdfscreen2008linux.sty` (around line 1020):

```
\begin{textblock*}{\titlewidth}[0, 1](10.1mm, \titleheight-5mm)
```

into

```
\begin{textblock*}{\titlewidth}[0, 1](10.1mm, \titleheight+27mm)
```

The DCT poster style can be used via:

```
\usepackage[a4,wtbuk,themedarkblue]{DCTtuepdfscreen2008linux}
```


Bibliography

- [1] CTAN. The comprehensive tex archive network. www.CTAN.org, 2009.