How to install KeTCindy(Linux)

1. Install Cinderella, R, Maxima and Evince if necessary.

    (1) https://beta.cinderella.de (Cinderella)

        · Download 'Unix Install' and execute on terminal.

```
sudo bash Cinderella_unix_2_8.sh
```

        · if Java has not been installed, install it.

```
sudo apt install openjdk-7-jre
```
or 8

    (2) R and Maxima can be installed:

```
sudo apt install r-base maxima
```

        · HPs of R and Maxima are:

           https://cran.r-project.org

           https://sourceforge.net/projects/maxima/files

    (3) Evince can be installed:

```
sudo apt install evince
```

2. Install TeX if any TeX has not been installed.

    (1) TeXLive is recommended.

        · Files necessary for KeTCindy are already implemented (2018 or later).

    (2) KeTTeX is a light-weight version of TeXLive and downloadable from

        https://www.dropbox.com/sh/79ofbls9nf0ywkj/AAA4KaH6MaFsaL0e-ACqw-0Ya?dl=0

        · Put the file in the home and extract it.

        · Execute the fillowing on the terminal.

```
sudo bash ~/kettex/setkettex.sh
```

3. Install KeTCdindy

    (1) Download ketcindy from CTAN(https://ctan.org)

        Search ketcindy > Package ketcindy > download

        · The latest version can be downloaded from Repository:

           https://github.com/ket pic/ketcindy

           Clone or Download > Download ZIP

    (2) Open ketcindy(-master)/forLinux.

    (3) Open setketcindy.sh with a text editor and confirm/modify paths.

        · Execute on terminal:

```
sudo bash setketcindy.sh
```

        · Contents of scripts will be copied into TeX.

        · Style files for K_ETCindy will be copied and mktexlsr will be executed.

        · In Cinderella/PlugIns

           KetcindyPluign.jar will be copied.

           ketcindy.ini will be generated .

    (4) Open setwork.sh with a text editor and confirm/modify it.

        · Execute on terminal:

```
bash setwork.sh
```

        · TeX(typeset) will be usually latex,xelatex or pdflatex.

        · Contents of "work" will be copied into "ketcindy"(work folder).

        · .ketcindy.conf will be also generated in User's home.

           You can change the setting of PasthT, Mackc, etc.

        · Template of "ketcindy.conf" will be also copied to work directory.

· Configuration files are read in order of
1) ketoutset.txt
2) ketcindy.conf in User's home
3) ketcindy.conf in the work folder.

4. Test run of KeTCindy

(1) Test template1basic.cdy in ketcindy (work folder).

· Execute on terminal:
```
cd (to the path of ketcindy)
Cinderella2 template1basic.cdy
```
· a frame in white will appear on the screen.

(2) Press "Figure" button at the top left, then the final PDF output will be displayed.

5. Set Texworks if necessary.

· Downloadable from https://github.com/TeXworks/texworks/releases/.

6. Install gcc for drawings of surface.