

How to install SimNIBS 2.0.0 manually on Ubuntu

Tested on an Ubuntu 14.04 and 12.04

-Install FSL

Follow the instructions on

<http://fsl.fmrib.ox.ac.uk/fsl/fslwiki/FslInstallation/Linux>

Remember to add “source /etc/fsl/5.0/fsh.sh” in the end of ~/.bashrc

(assuming that fsl is installed as usually into /etc/fsl/5.0)

-Install FreeSurfer

Follow the instructions on <http://freesurfer.net/fswiki/DownloadAndInstall>

make sure that you [registered](#) the installation, and that you set the path in the [.bashrc](#)

Installing SimNIBS

Uncompress folder, copy contents to ~/ (or another target folder)

```
tar -xf simnibs_2.0.0.tar.gz -C ~/
```

compile files

```
cd ~/simnibs2.0.0/fem_efield
```

```
sudo make
```

Install C libraries

```
sudo apt-get install libsuperlu3
```

```
sudo apt-get install liblapack3gf
```

Install Python dependencies

```
sudo apt-get install python-numpy
sudo apt-get install python-scipy
sudo apt-get install python-pyside
sudo apt-get install python-opengl
sudo apt-get install python-pygame
sudo apt-get install python-pip
sudo pip install nibabel
```

Setup ~/.bashrc

```
gedit ~/.bashrc
```

go to the last lines and add

```
export SIMNIBSDIR=~/.simnibs2.0.0
source $SIMNIBSDIR/simnibs_conf.sh
```

save and close

Now, close the terminal and open it again

A message should appear

setting up paths for SimNIBS 2.0.0

```
SIMNIBSDIR ~/.simnibs2.0.0
```

Gmsh Configurations

For better visualizing the meshes, we recommend changing the gmsh configurations.

In order to do so, type in terminal

```
cp $SIMNIBSDIR/gmsh-options_simnibsdefault ~/.gmsh-options
```

