

Instructions on installing CUTEst on Linux

Main reference link:

<https://jfowkes.github.io/pycutest/build/html/install.html#installing-cutest>

1. Follow the instructions in the session 'Installing CUTEst on Linux'
2. For the second block, write the ~/.bashrc file as follows:

```
# Cutest
export PATH=$PATH:/rsrch6/home/bcb/xliu31/cutest/cutest/bin/
(you need to change the directory accordingly to ../cutest/bin/)
export PATH=$PATH:/rsrch6/home/bcb/xliu31/cutest/sifdecode/bin
export ARCHDEFS=/rsrch6/home/bcb/xliu31/cutest/archdefs/
export SIFDECODE=/rsrch6/home/bcb/xliu31/cutest/sifdecode/
export MASTSIF=/rsrch6/home/bcb/xliu31/cutest/mastsif/
export CUTEST=/rsrch6/home/bcb/xliu31/cutest/cutest/
export MYARCH="pc64.lnx.gfo"
```

```
# For CUTEst/MATLAB interface
export MYMATLAB=/risapps/rhel7/MATLAB/R2022b
(use 'module load matlab', then 'which matlab' to see the matlab installation directory)
export MYMATLABARCH="pc64.lnx.gfo"
```

3. You should be good to go to the third and fourth blocks to install the cutest and test the installation.

For detailed instructions, see the README file under the folder ../cutest.

For **cutest/matlab interface**, see ../cutest/src/matlab/README.matlab.

Other reference links that may also be useful:

<https://github.com/ralna/CUTEst/wiki>

<https://github.com/abelsiqueira/linux-cutest>

<https://www.juliabloggers.com/installing-cutest-and-cutest-jl/>

Xiaoqian Liu

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