

# How to Setup and Install Galfit on Linux

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## 1.) Enable Sudo Permissions

First make sure that your account has sudo privileges. If you are the sole user of the computer, that should be true by default. But on shared computers it oftentimes is not. You can check with:

```
sudo whoami
```

If you get the output “root”, then you are good to go. If you get an error saying that your account is not in the sudoers file, follow [these instructions](#).

## 2.) Installing Galfit

Galfit’s home page is [here](#). There is a table with all of the downloadables. Run the following bit of code to check whether you have 32 or 64 bit linux:

```
uname -i
```

Then download the associated file and store it somewhere you will remember. In the directory you stored it you can uncompress the file with

```
tar -xvzf filename.tar.gz
```

You should get out an executable file. You need to explicitly change the permissions so that you (the user) have access to run it.

```
chmod +x ./galfit
```

Now we need to install a library that galfit needs to run

```
sudo apt install libncurses5
```

You should be able to run galfit now (from this directory) by simply typing “./galfit”. If you get a prompt that looks like:

```
galfit
(base) jwstredux@user-XPS-8700:~/Documents/GALFIT$ ./galfit
GALFIT Version 3.0.5 -- Apr. 23, 2013
Enter template file name: █
```

Then galfit is installed correctly. To call galfit from any directory add this line to the end of your ~/.bashrc.

```
alias galfit="/full/path/to/your/galfit/directory/galfit"
```

For example mine was

```
alias galfit="/home/jwstredux/Documents/GALFIT/galfit"
```

Finally, run the following line to re-initialize the .bashrc file and you should be able to run galfit from anywhere.

```
source .bashrc
```