



1 The procedure to install OpenModelica on Windows OS

1. To follow the installation procedure, you need to be connected to the internet.
2. Open your default web browser.
3. In the address bar, type the url: <https://www.openmodelica.org> and press Enter.
4. Go to “DOWNLOAD” tab.
5. Select “Windows”.
6. From “Official Release”, Click on 1.13.2 (32bit/64bit)
7. From Parent Directory, click on 64bit.
8. Click on OpenModelica-v1.13.2-64bit.exe.
9. Save OpenModelica-v1.13.2-64bit.exe file.
10. Right Click on the downloaded file and select Run as Administrator.
11. In Installation Pop-up window, click on Next.
12. Choose the Destination Folder and click on Next
13. Click on Install
14. Click on Next
15. Click on Finish
16. OpenModelica is successfully installed.

2 The procedure to install OpenModelica on Linux OS

1. To follow the installation procedure, you need to be connected to the internet.
2. Open terminal and type: `sudo apt-get update`
3. Type your system password.
4. Type: `echo “$deb http://build.openmodelica.org/apt ‘lsb_release -cs‘ stable”;`
5. In the terminal, type: `sudo gedit /etc/apt/sources.list`
6. A new gedit file named “sources.list” appears.
7. At the end of the page, type: `deb http://build.openmodelica.org/apt xenial stable`
8. Press CTRL + S and close the file
9. Type: `wget -q http://build.openmodelica.org/apt/openmodelica.asc -O- | sudo apt-key add -`
10. It will show “OK”.
11. Open a new terminal window
12. Type: `sudo apt-get update`
13. Type: `sudo apt install openmodelica`
14. OpenModelica is successfully installed.
15. Type: `sudo apt install omlib-.*` (It installs optional Modelica libraries)

3 Checking the installation

1. To check the software installation, please follow these steps:
2. For Windows: Go to “OpenModelica Connection Editor”, right click on it and select “Run as administrator”
For Linux: Open a command terminal by pressing Ctrl+Alt+T and type “OMEdit”.
3. Expand the “Modelica” library from Libraries Browser.
4. Click on the arrow head to the left of “Thermal” library.
5. Under “Thermal”, expand “HeatTransfer” library.
6. Now expand the “Examples” library.
7. Double click on “TwoMasses” class.
8. Now click on “Simulate” button on the toolbar.
9. In the new window, go to the “Variables Browser” at the right.
10. Expand the “conduction” variable.
11. Click on the check box against dT variable.
12. We will get a plot between time and dT.