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 "Offcial Release", Click on 1.18.0 (32bit/64bit)
7. From Parent Directory
   (a) If you are using a 64-bit system:
      i. click on 64bit.
      ii. Click on OpenModelica-v1.18.0-64bit.exe.
      iii. Save OpenModelica-v1.18.0-64bit.exe file.
   (b) If you are using a 32-bit system:
      i. click on 32bit.
      ii. Click on OpenModelica-v1.18.0-32bit.exe.
      iii. Save OpenModelica-v1.18.0-32bit.exe file.
8. Right Click on the downloaded file and select Run as Administrator.
9. In Installation Pop-up window, click on Next.
10. Choose the Destination Folder and click on Next.
11. Click on Install.
12. Click on Next.
13. Click on Finish.
14. 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' release"
5. In the terminal, type: sudo gedit /etc/apt/sources.list
6. A new gedit file named "sourses.list" appears.
7. At the end of the page, type: deb http://build.openmodelica.org/apt focal release

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 update
13. Type: sudo apt install openmodelica
14. OpenModelica is successfully installed.

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. When opening OMEdit, it will ask to choose one of the versions of MSL (Modelica Standard Library). Select MSL v3.2.3 and proceed.
4. Expand the “Modelica” library from Libraries Browser.
5. Click on the arrow head to the left of “Thermal” library.
6. Under “Thermal”, expand “HeatTransfer” library.
7. Now expand the “Examples” library.
8. Double click on “TwoMasses” class.
9. Now click on “Simulate” button on the toolbar.
10. In the new window, go to the “Variables Browser” at the right.
11. Expand the “conduction” variable.
12. Click on the check box against dT variable.
13. We will get a plot between time and dT.