**RTC TOOLBOX**

RTC stands for Real-Time Calculus. It is an extension of Network Calculus for system-level performance analysis of the distributed real-time and embedded systems. RTC Toolbox is based on Java and Matlab.

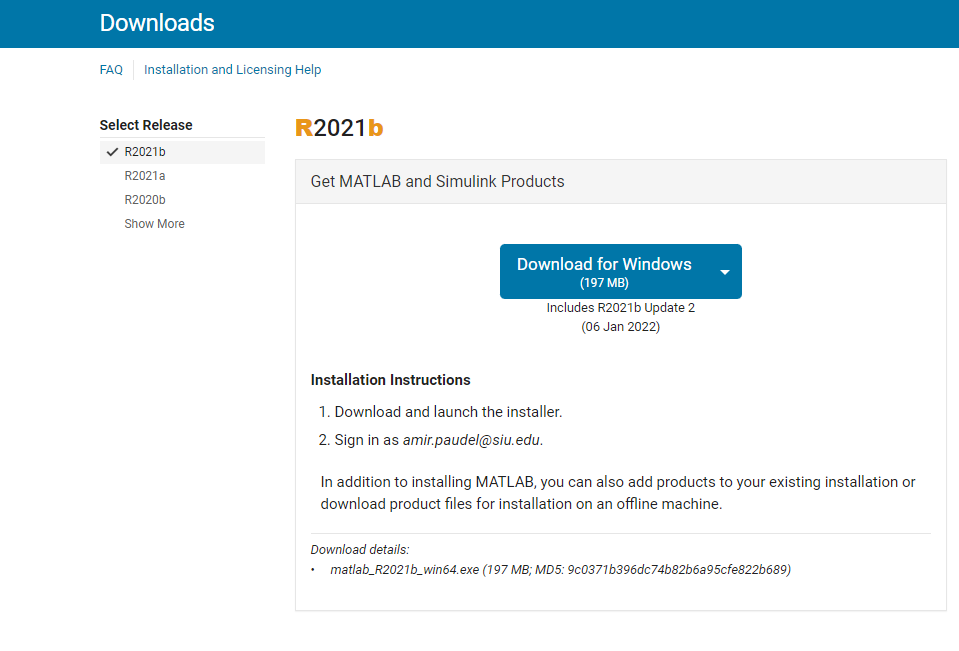
**This documentation provides insight into installation of RTC Toolbox and its configuration:**

**1.Download MATLAB**

* Download the latest version of MATLAB from the given link.

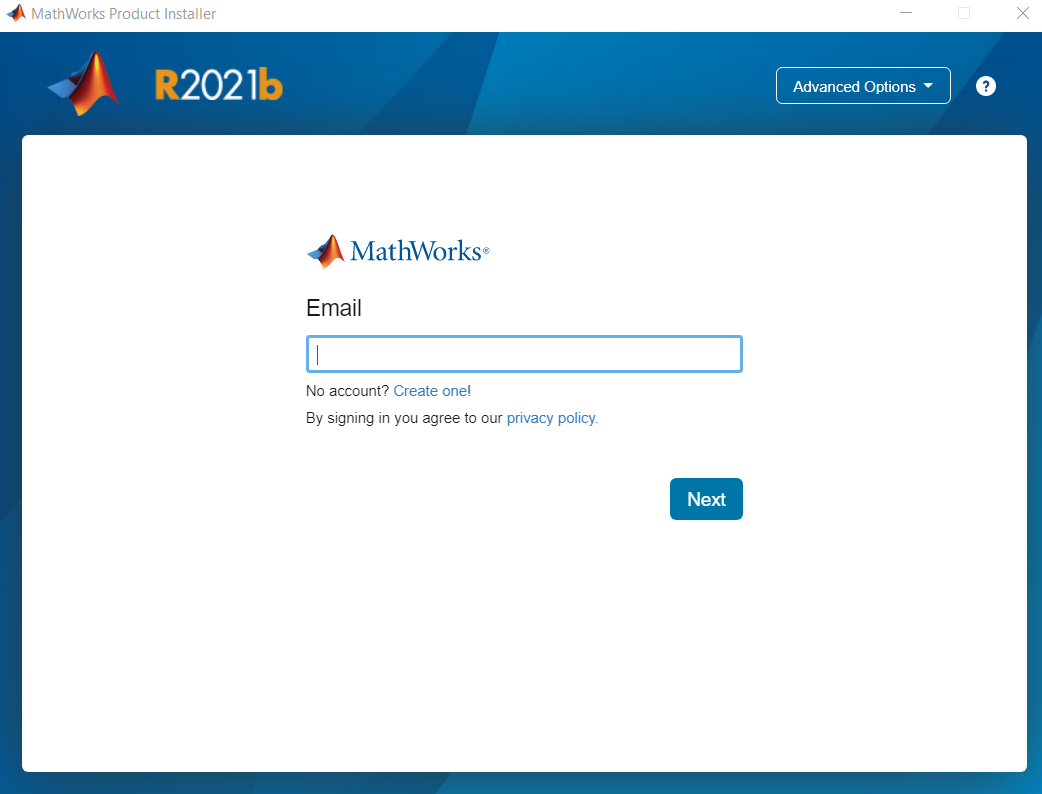
Link: [Matlab Download](https://www.mathworks.com/downloads/web_downloads/)

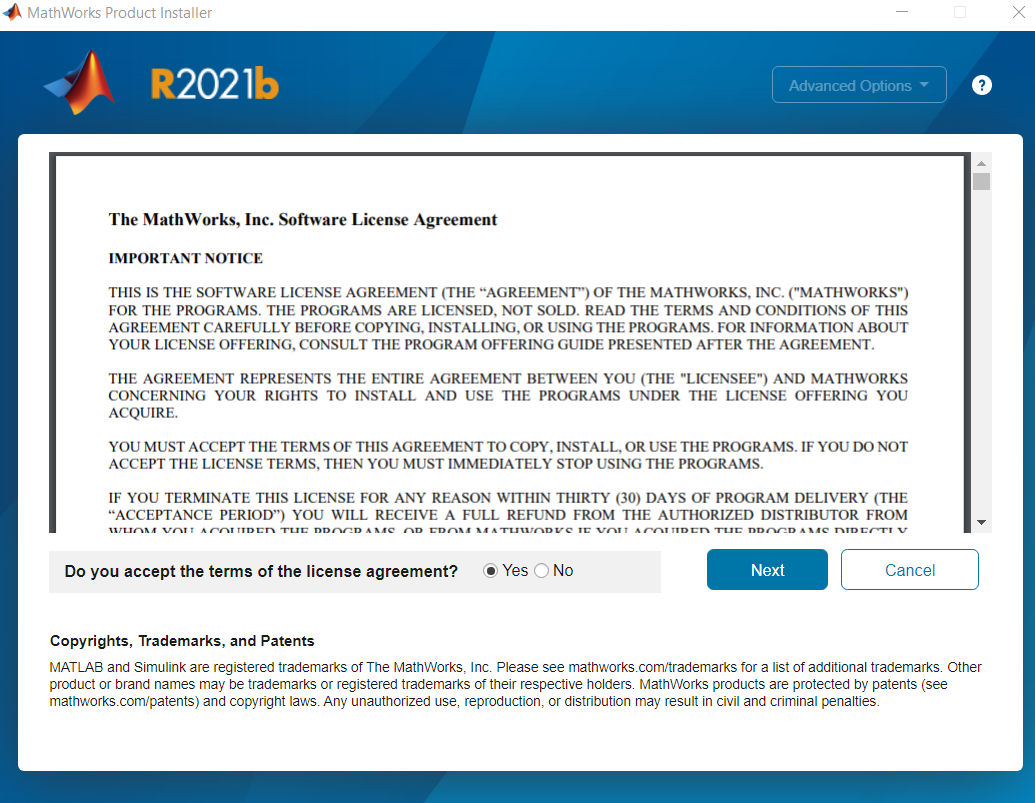
* You will be required to create a MathWorks account before downloading.
* After creating an account, download an installer.

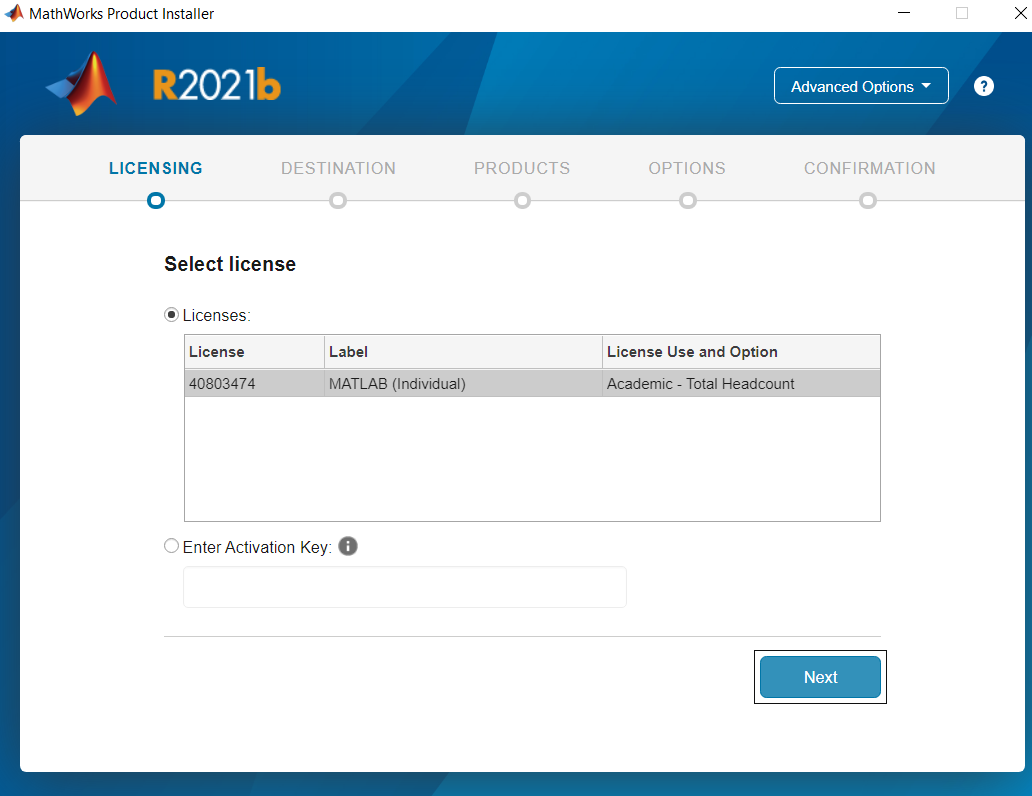


**2. Install the MATLAB into the desired directory.**

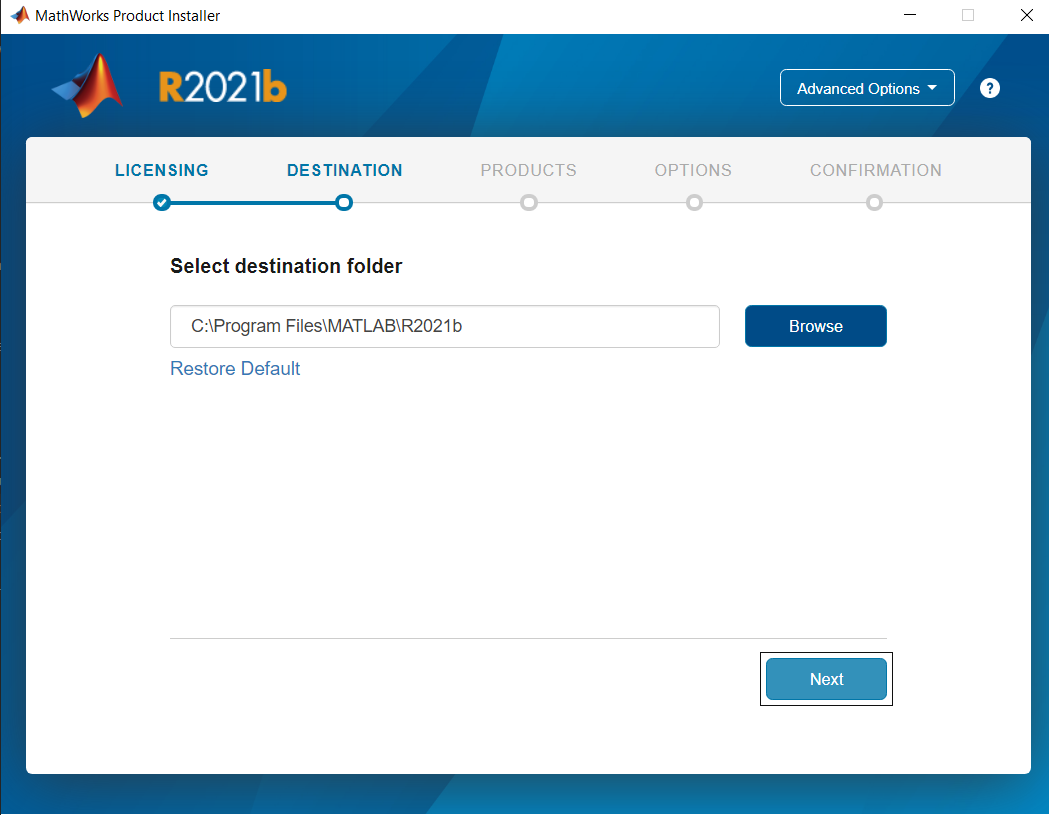
* Launch the Matlab Installer
* Login using your MathWorks email

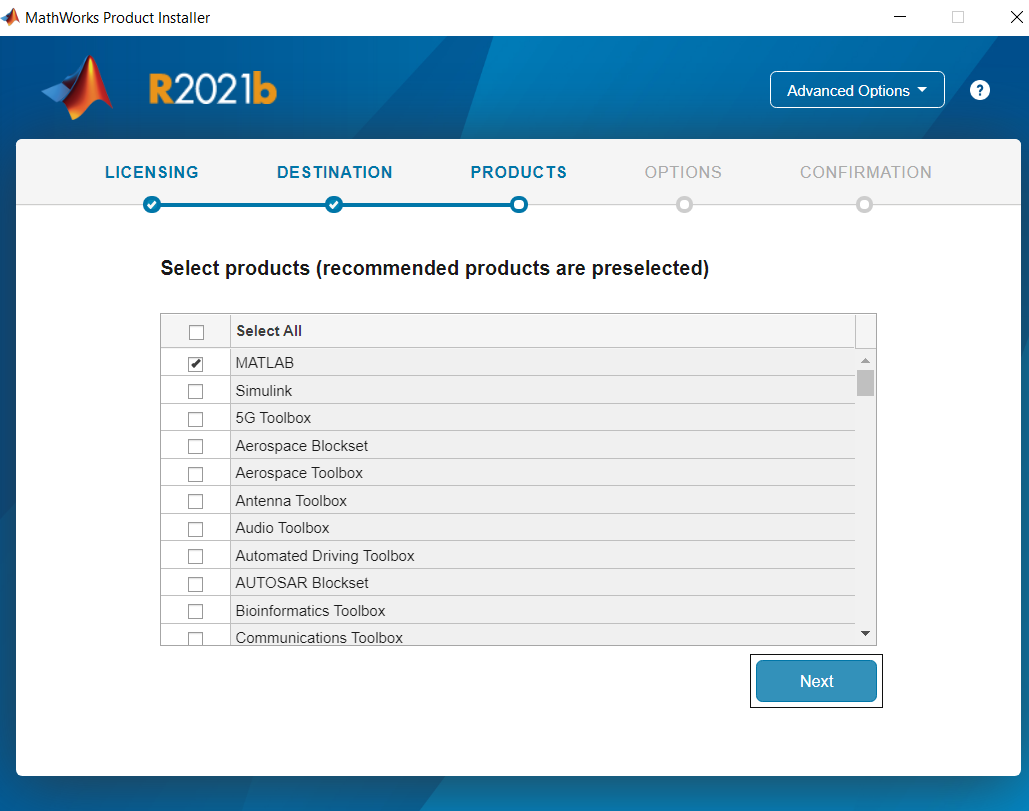


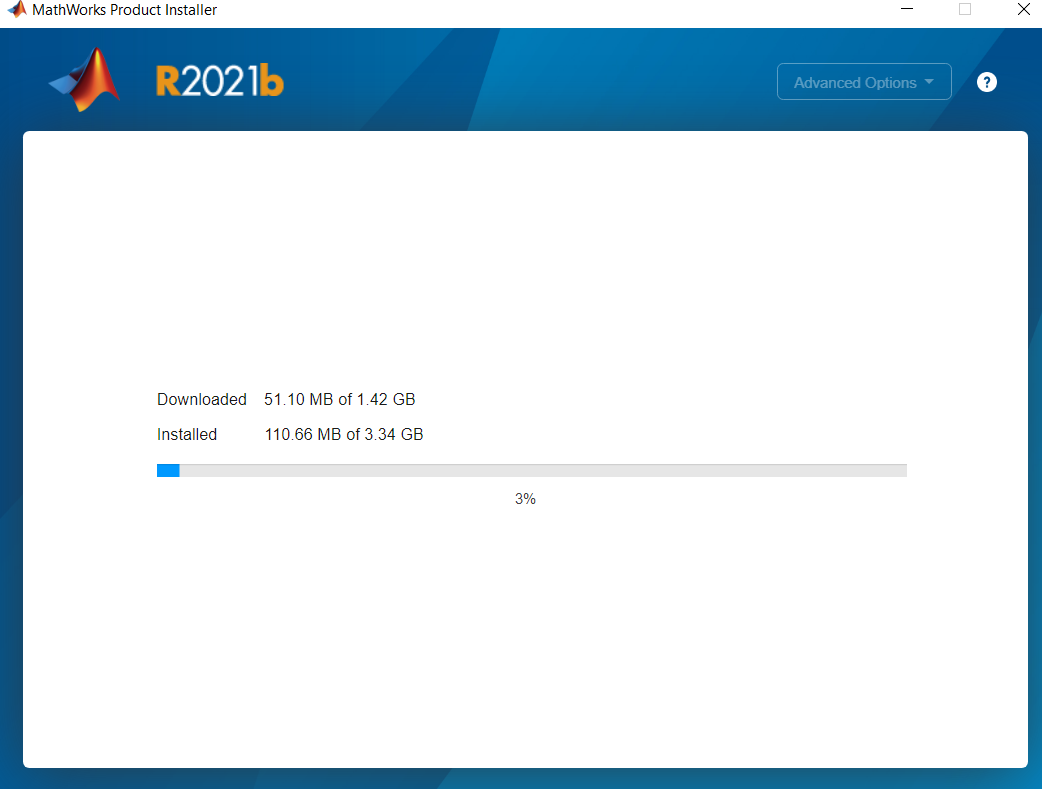




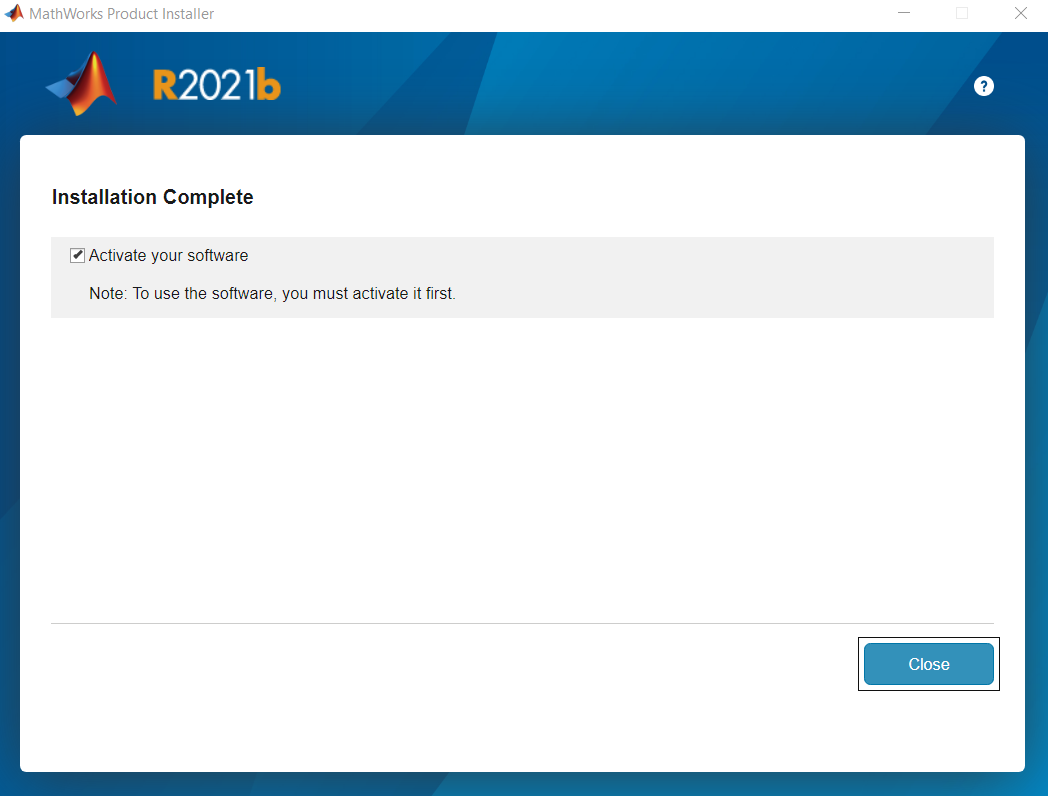
* Select the destination folder







* After installation is complete, launch the MATLAB

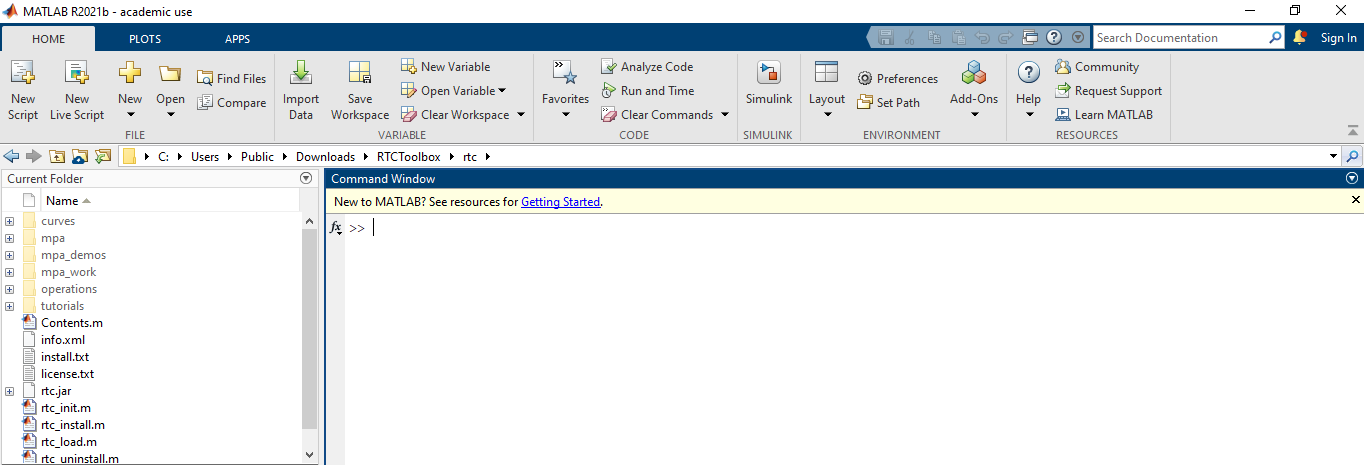


**3. Download and Install RTC Toolbox**

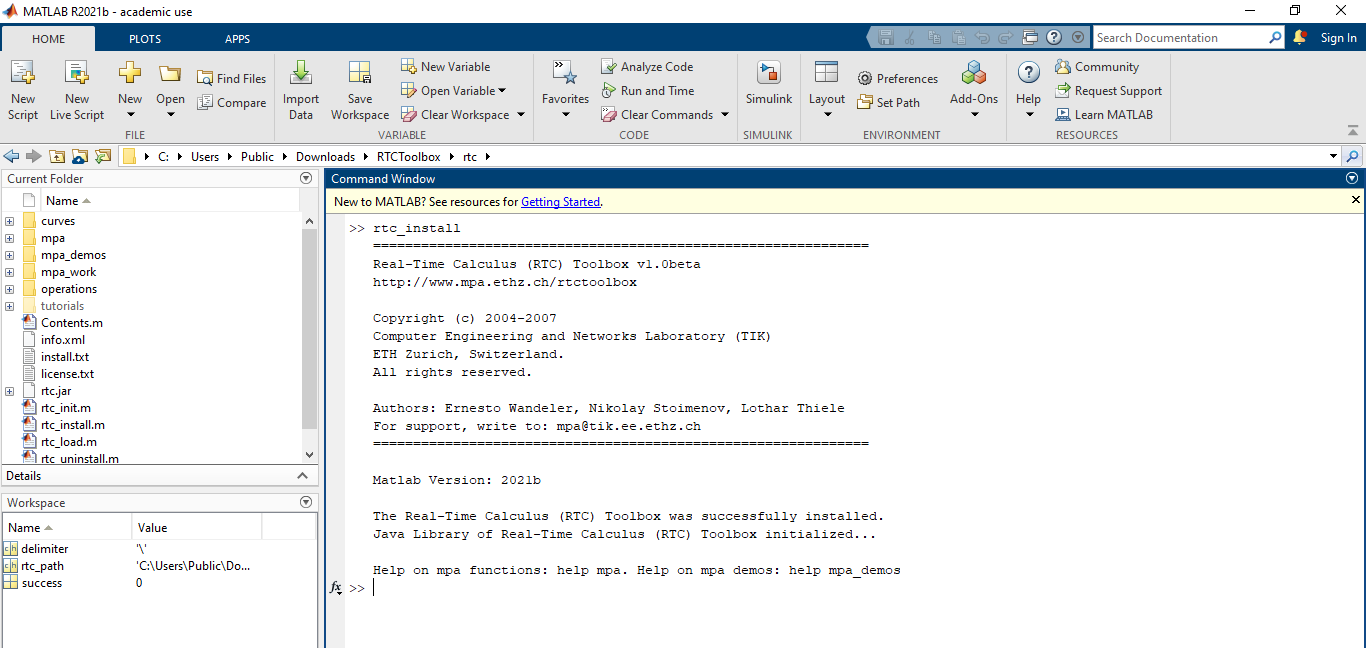
* Download the latest release of the toolbox

Link : [RTC Toolbox](https://www.mpa.ethz.ch/downloads/RTCToolbox_bin.zip)

* After download, extract the downloaded zip package.
* Copy the folder **rtc** to its installation destination.
* Open the Matlab and change to the **rtc**  directory.



* Now run the following code to install RTC Toolbox



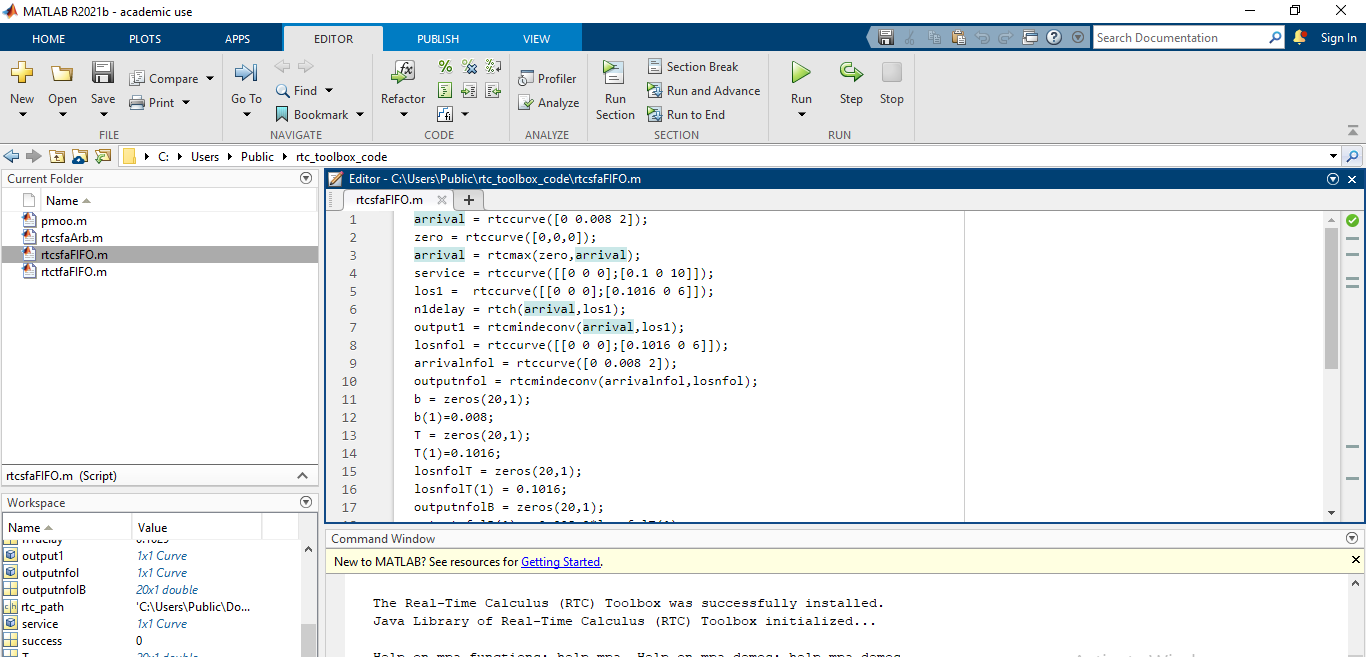
* Now the RTC toolbox is completely installed.

**4. Running the Code**

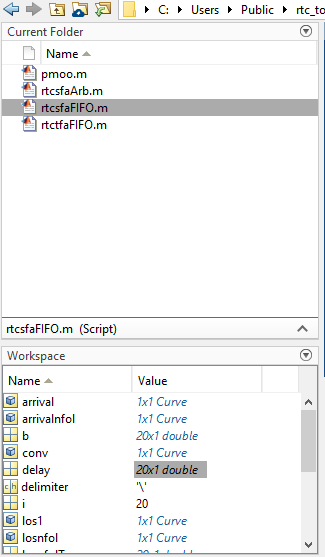
* Download the code from the portal for network analysis.

Link:

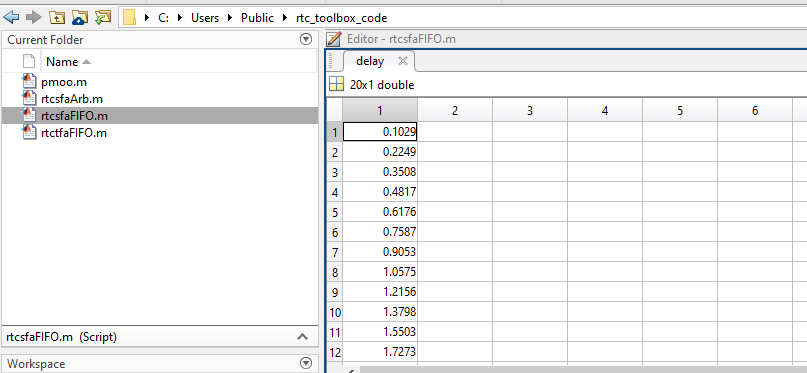
* Import the code into the Matlab.



* Run the code to get the delay estimate.
* After the code is run, we will have the result on the left bottom panel of the Matlab as shown in image below:



* Open the delay variables. It displays all the values of the delays in a new window.



* Plot the delays to get a graph using any visualization technique.

