Robotics Toolbox in MATLAB

Project Report

BY

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Work Contributions

Amaan Khan – Euler Angles, Manipulator Control

Malay Nagda – Differential Kinematics, Workspace

Laukik Mujumdar – Inverse

Ravendra Raghvendra – Inverse, GUI

Tanmay Dhanote – Homogenous Transformation, GUI

# Description

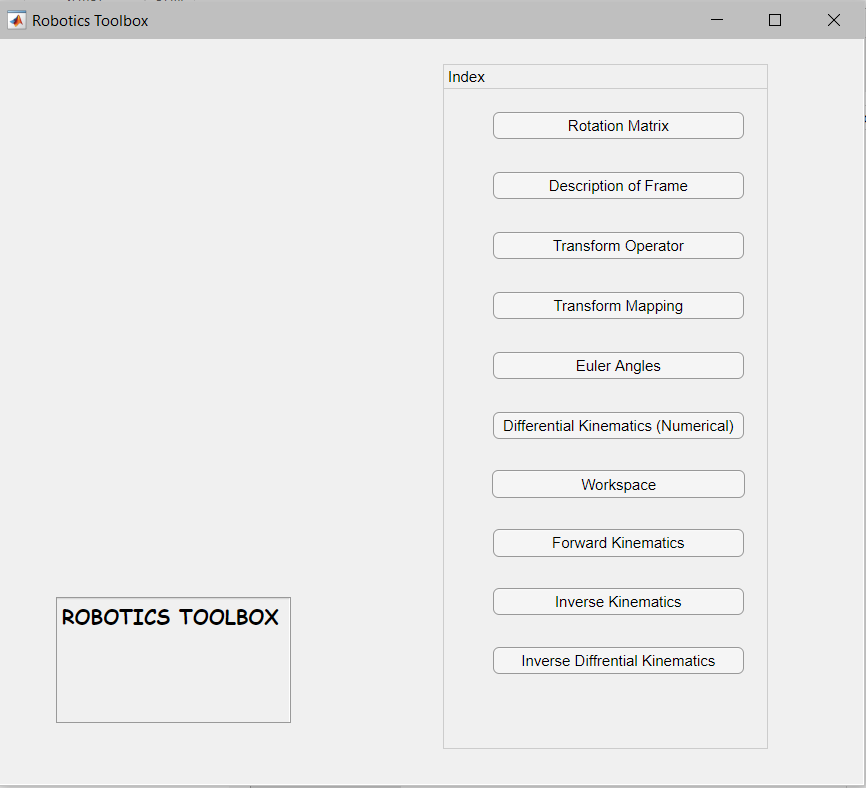
Homogenous Transformation

# Use of Toolbox

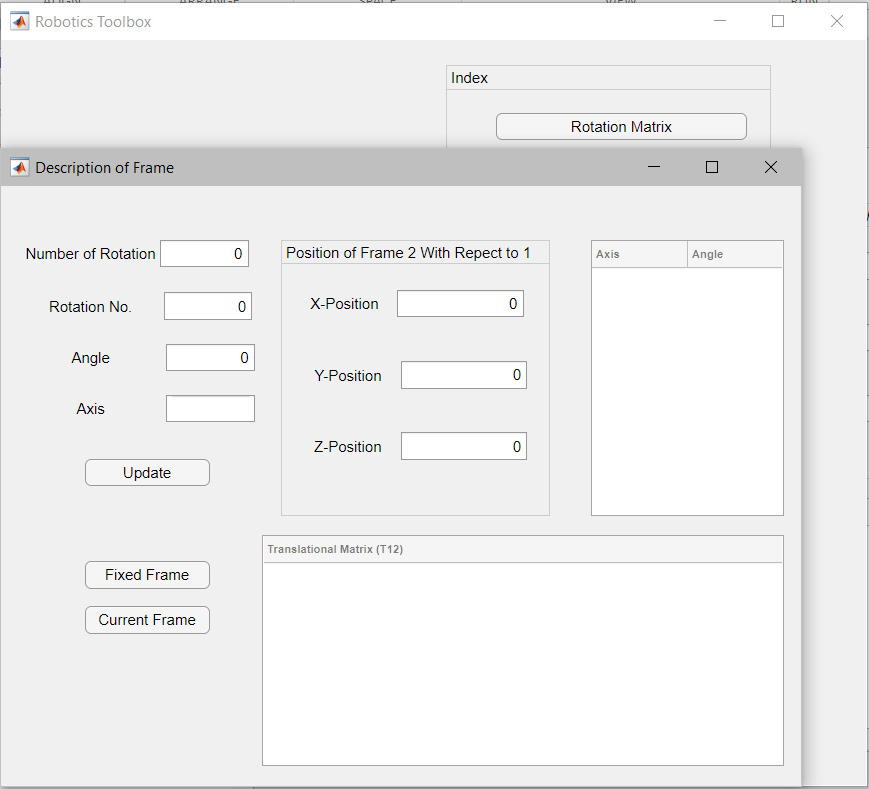
## How to run the Toolbox?

Step 1: Run the main window file (Main\_Window.mlapp)

Step 2: The Robotic Toolbox open as seen below:



Step 3: Press the button for the problem you want to solve and a new GUI window for each problem will appear. (Example as shown below):



## How to use GUI?

### Rotation Matrix

Instructions