

Programming Assignment #4

Deadline: 22nd October, 2018

Given a unit cube with one corner at $(0, 0, 0)$ and the opposite corner at $(1, 1, 1)$, derive the transformation necessary to rotate the cube by θ degrees about the main diagonal (from $(0, 0, 0)$ to $(1, 1, 1)$) in the counterclockwise direction when looking along the diagonal towards the origin. Write a C/C++ program to implement the above transformation.

Code for Geometric Transformations can be downloaded from the following hyperlink.

http://www.iitg.ernet.in/pinaki/P8_3_Transform3D/P8_3_Transform3D.zip