

Istanbul Technical University – Faculty of Mechanical Engineering

MAK422E-4025E Engineering Design and CAD

Instructor: Prof. Dr. Hikmet Kocabas

Dear Engineering Design and CAD course students,

The following is homework 1.

Due date is October 22, 2015 Thursday at 13:30

Prof. Dr. Hikmet Kocabas

kocabash@itu.edu.tr

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Calculate, draw and animate (or show the squares in four / more rotated positions) one **square rotates over the other square** without sliding. Dimensions are free. Students may use MathCad, Excel, Mathematica, MatLab, Maple, or C, Fortran, Delphi like program codes. Use **transformation matrixes** and vector algebra for calculations. The homework program code must be submitted to the web site: www.ninova.itu.edu.tr

