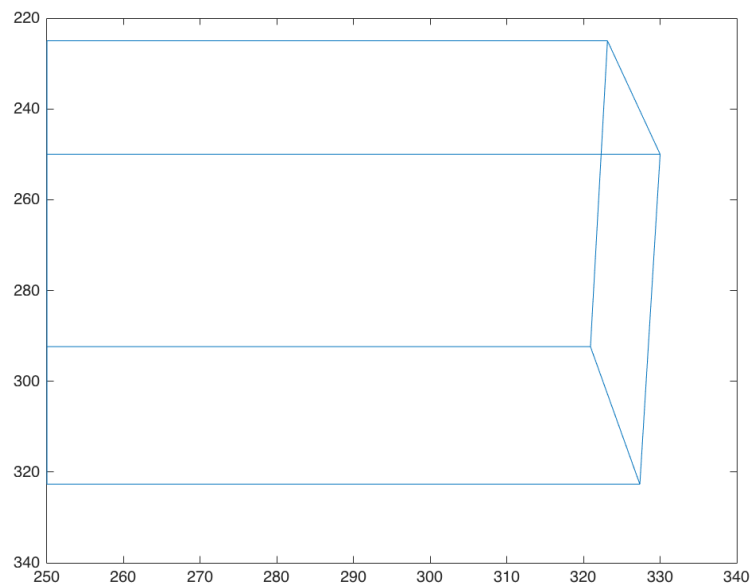

Homework 5

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1. Perspective Projection
Plot of the cube in 2D image plane.



2. Camera calibration

$$R = \begin{bmatrix} 0.3588 & -0.4113 & 0.8379 \\ -0.7972 & -0.6019 & 0.0459 \\ -0.4855 & 0.6845 & 0.5438 \end{bmatrix} \quad (1)$$

$$T = \begin{bmatrix} 0.1000 \\ -0.1000 \\ 15.0000 \end{bmatrix} \quad (2)$$

$$K = \begin{bmatrix} -0.0662 & 0.0000 & -0.0000 \\ 0 & 0.0662 & -0.0000 \\ 0 & 0 & -0.0662 \end{bmatrix} \quad (3)$$