Task 3. Homography.

prob 5(c)

Colum space $C = \text{span}\left\{\begin{pmatrix}1\\0\\0\end{pmatrix}, \begin{pmatrix}0\\1\\0\end{pmatrix}, \begin{pmatrix}0\\0\\1\end{pmatrix}\right\}$

$= \text{span}\left\{\begin{pmatrix}-1\\2\\-2\end{pmatrix}, \begin{pmatrix}3\\6\\4\end{pmatrix}, \begin{pmatrix}3\\6\\1\end{pmatrix}, \begin{pmatrix}2\\1\\4\end{pmatrix}\right\}$

Not basis for $C \neq$ span

$\neq \text{span}\left\{\begin{pmatrix}1\\6\\6\end{pmatrix}, \begin{pmatrix}0\\1\\0\end{pmatrix}, \begin{pmatrix}6\\0\\1\end{pmatrix}, \begin{pmatrix}3\\2\\0\end{pmatrix}\right\}$

problem 3.

Steven

Vanishy point 1 : $-2.034e3$, $-1.294e3$

Vanishy point 2 : $2.000e4$, $-2.213e4$

Vanishy line $(0.000291, 0.000308, 1)$.

Do not say $(0, 0, 1)$!!

problem 7.

(Objects are placed at the same plane !!)