

$$T_{-1} = \frac{1}{\sqrt{2}}UV^T$$

$$c = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & -1 \\ 0 & 1 & 0 \end{bmatrix}$$

where

- $U \in \mathbb{R}^{3 \times 3}$

- $V \in \mathbb{R}^{3 \times 3}$