

$$\Omega = [e_1 \quad e_2] \begin{bmatrix} k_1 & 0 \\ 0 & k_2 \end{bmatrix} \begin{bmatrix} e_1^T \\ e_2^T \end{bmatrix}$$

where

$$k_1 \in \mathbb{R}$$

$$k_2 \in \mathbb{R}$$

$$e_1 \in \mathbb{R}^2$$

$$e_2 \in \mathbb{R}^2$$