

$$\mathbf{T}' = CSRC^{-1}T\mathbf{T}$$

$$\mathbf{T}' = \begin{pmatrix} s' \\ t' \\ 0 \end{pmatrix}, \quad \mathbf{T} = \begin{pmatrix} s \\ t \\ 0 \end{pmatrix}$$

$$C = \begin{pmatrix} 1 & 0 & C_s \\ 0 & 1 & C_t \\ 0 & 0 & 1 \end{pmatrix}, \quad S = \begin{pmatrix} S_s & 0 & 0 \\ 0 & S_t & 0 \\ 0 & 0 & 1 \end{pmatrix}, \quad R = \begin{pmatrix} \cos(\theta) & \sin(\theta) & 0 \\ -\sin(\theta) & \cos(\theta) & 0 \\ 0 & 0 & 1 \end{pmatrix}, \quad T = \begin{pmatrix} 1 & 0 & T_s \\ 0 & 1 & T_t \\ 0 & 0 & 1 \end{pmatrix}$$