

$$\langle \mathbf{R}_1, \mathbf{t}_1 \rangle_{SE(n)} \langle \mathbf{R}_2, \mathbf{t}_2 \rangle = \langle \mathbf{R}_1 \mathbf{R}_2, \mathbf{R}_1 \mathbf{t}_2 + \mathbf{t}_1 \rangle$$