$$P = \begin{bmatrix} 0 \\ 1 \end{bmatrix} \text{ - sākumpunkts}$$

$$T = \begin{bmatrix} T_x \\ T_y \end{bmatrix} \text{ - mērķis}$$

$$R(\Theta) = \begin{bmatrix} cos\Theta & -sin\Theta \\ sin\Theta & cos\Theta \end{bmatrix}$$

$$R'(\Theta) = \begin{bmatrix} -sin\Theta & -cos\Theta \\ cos\Theta & -sin\Theta \end{bmatrix}$$

$$d(\Theta_1, \Theta_2) = R(\Theta_1)P + R(\Theta_1)(R(\Theta_2)P) - T$$

$$\frac{\partial d(\Theta_1, \Theta_2)}{\partial \Theta_1} = R'(\Theta_1)P + R'(\Theta_1)(R(\Theta_2)P)$$

$$f(\Theta_1, \Theta_2) = \frac{d(\Theta_1, \Theta_2)^2}{2}$$

$$\frac{\partial f(\Theta_1, \Theta_2)}{\partial \Theta_1} = \frac{\partial (\frac{1}{2} d(\Theta_1, \Theta_2)^2)}{\partial \Theta_1} =$$

$$\frac{\partial (\frac{1}{2} d(\Theta_1, \Theta_2)^2)}{\partial d(\Theta_1, \Theta_2)} \cdot \frac{\partial d(\Theta_1, \Theta_2)}{\partial \Theta_1} =$$

$$d(\Theta_1, \Theta_2) \cdot (R'(\Theta_1)P + R'(\Theta_1)(R(\Theta_2)P))$$