$$\frac{\delta x_i}{\delta \varepsilon} = \left[I \quad [X_i]_x \right]$$

(derivative of the exponential map)

Jacobian is computed for all pixels in the image and summed.

Used cholesky decomposition to solve the linear equations of the form $A = LL^T$.

$\nabla \varepsilon$ is found iteratively until it is converged.

$$T_c \leftarrow T_c T(\nabla \varepsilon)$$