Original

$$T_{X_{t}}^{-,X_{t-1}} = \dot{x}t$$
 $T_{X_{t}}^{-,0} = T_{X_{t-1}}^{0} T_{X_{t}}^{-,X_{t-1}}$
 $T_{X_{t}}^{-,K} = T_{0}^{K} T_{X_{t}}^{-,0}$
 $T_{X_{t}}^{-,K} = T_{0}^{K} T_{X_{t}}^{-,0}$
 $T_{L_{t}}^{-,L_{K}} = T_{X}^{L} T_{X_{t}}^{-,K} T_{L}^{X}$
 $T_{L_{t}}^{L_{K}} = ICP(sen = T_{L_{t}}^{-,L_{K}}, ref = [I|\vec{0}])$
 $T_{X_{t}}^{X_{K}} = T_{L}^{X} T_{L_{t}}^{L_{K}} T_{X}^{L}$
 $T_{X_{t}}^{0} = T_{X_{K}}^{0} T_{X_{t}}^{X_{K}}$

Modified

$$T_{X_t}^{-,X_{t-1}} = \dot{x} t$$
 $T_{X_t}^{-,0} = T_{X_{t-1}}^0 T_{X_t}^{-,X_{t-1}}$
(where $T_{X_0}^0$ is initial guess)
$$T_{L_t}^{-,L_{t-1}} = T_X^L T_{X_t}^{-,X_{t-1}} T_L^X$$

$$T_{L_t}^{L_{t-1}} = ICP(T_{L_t}^{-,L_{t-1}}, [I|\vec{0}])$$

$$T_{X_t}^{X_{t-1}} = T_L^X T_{L_t}^{L_{t-1}} T_X^L$$

$$T_{X_t}^0 = T_{X_{t-1}}^0 T_{X_t}^{X_{t-1}}$$

 T_0^K is reassigned everytime the robot movement is above threshold K: Keyframe, introduced in order to prevent drift caused from frame-by-frame comparison