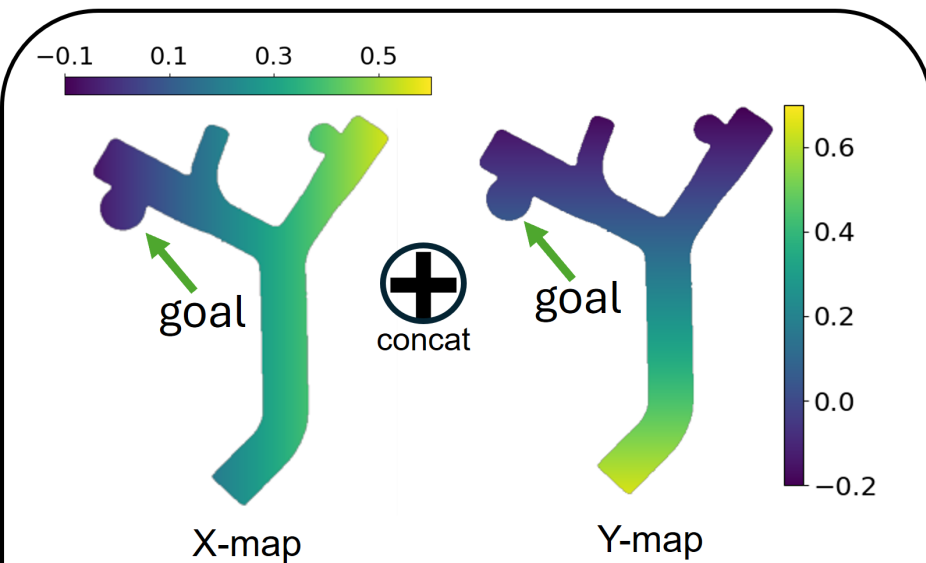
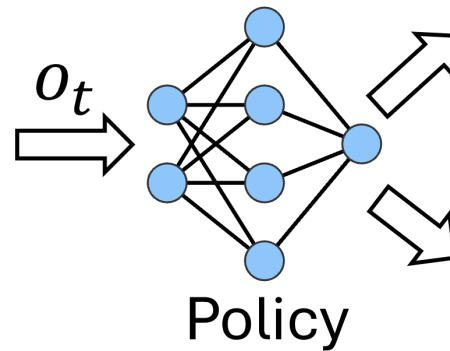


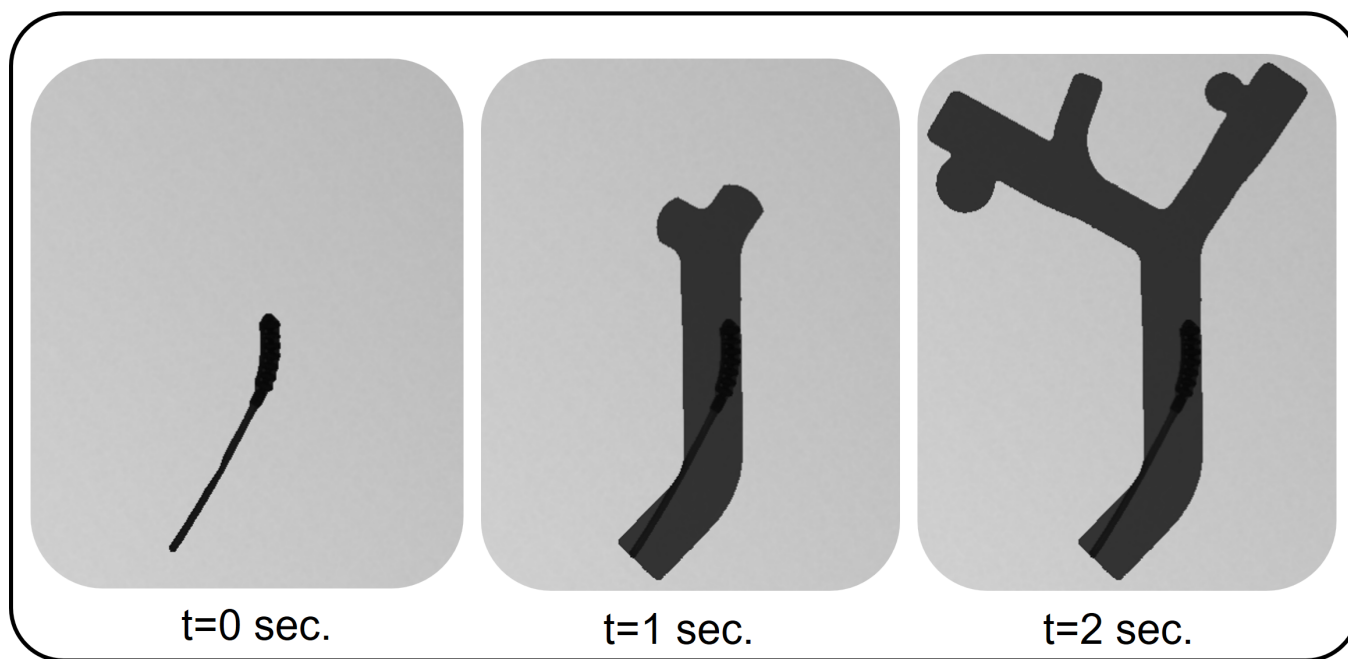
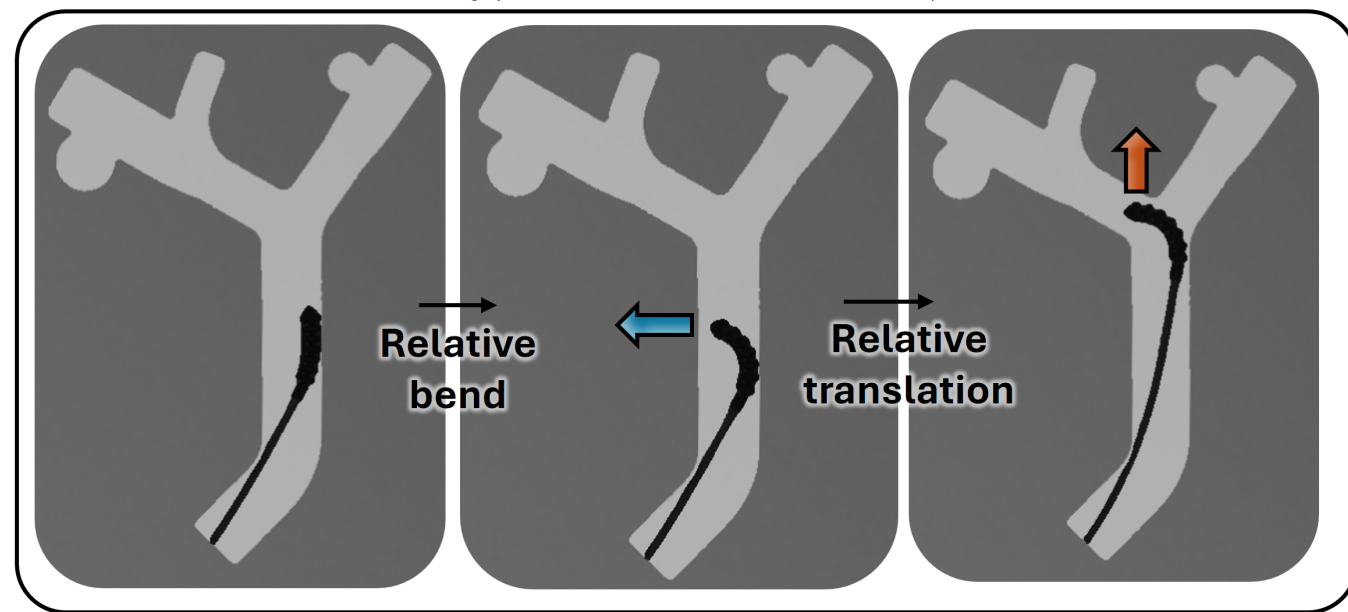
Feature map goal



Live fluoroscopic image



Relative actions: $\{(\Delta \hat{q}_s^{bend}, \Delta \hat{q}_s^{translate}) | s \in [t+1, t+K]\}$



Inject contrast? $\hat{a}_t^{contrast} \in \{0, 1\}$