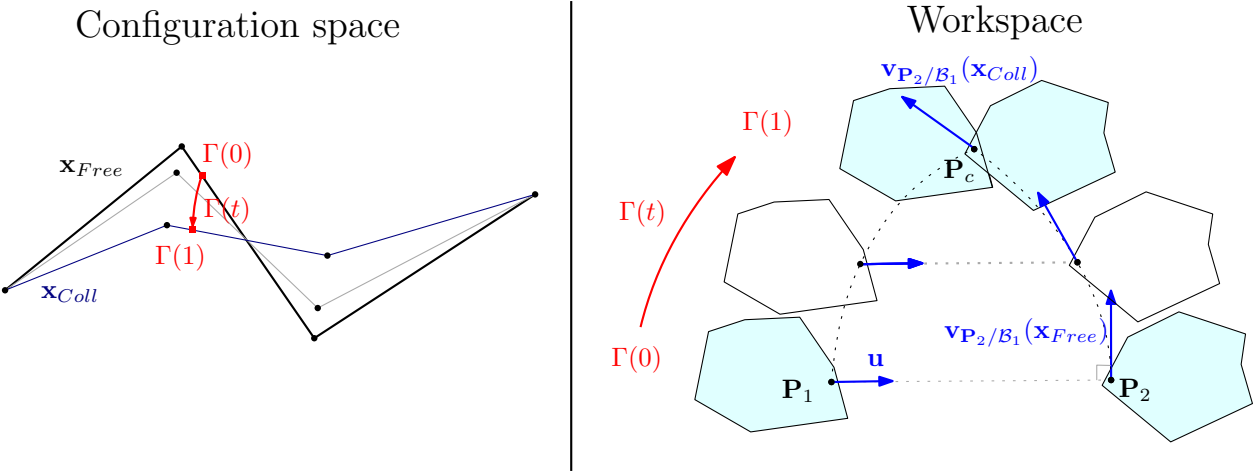
Configuration space
$\mathbf{x}_{Free}$
$\Gamma(0)$
$\Gamma(t)$
$\Gamma(1)$
$\mathbf{x}_{Coll}$
Workspace
$\mathbf{v}_{\mathbf{P}_2/\mathcal{B}_1}(\mathbf{x}_{Coll})$
$\Gamma(1)$
$\mathbf{P}_c$
$\Gamma(t)$
$\mathbf{v}_{\mathbf{P}_2/\mathcal{B}_1}(\mathbf{x}_{Free})$
$\Gamma(0)$
$\mathbf{u}$
$\mathbf{P}_1$
$\mathbf{P}_2$