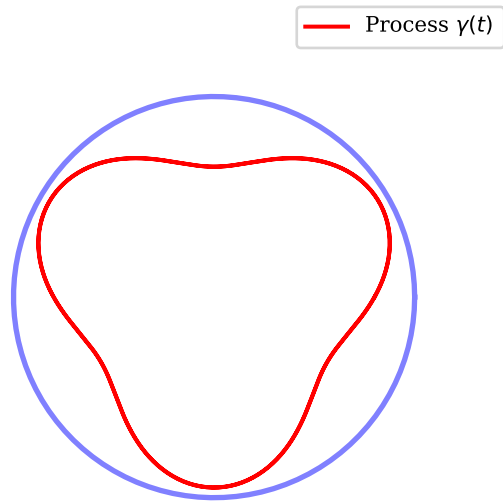
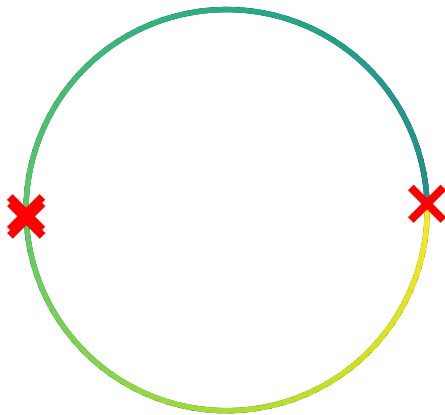


(A) Cyclic process on  $\mathcal{M}$



(B)  $\pi_2(\gamma)$ : Collisions



(C)  $\pi_3(\gamma)$ : Collision-free

