

Riemannian-geometric concepts

 $\dot{\gamma}(0) = X_{\eta}$

 $\gamma(1)$

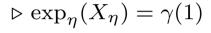
] The exponential mapping

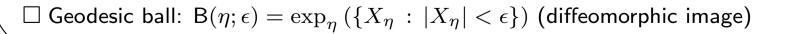
$$> \exp_\eta \ : \ \mathcal{U}_\eta \ (extsf{open}) \ \subset T_\eta \Theta o \Theta$$

 $T_{\eta}\Theta$

 \triangleright Let γ denote a geodesic such that $\gamma(0) = \eta$ and $\dot{\gamma}(0) = X_{\eta} \in T_{\eta}\Theta$

 \mathcal{U}_η





 $\eta = \gamma(0)$

