



$A, B \in T_g \mathbf{G}$ Tangent vectors

$$\begin{array}{ccc}
 A = [\gamma_A] & \gamma_{A/B} : (-\varepsilon, \varepsilon) & \xrightarrow{C^\infty} \mathbf{G} \\
 B = [\gamma_B] & t & \longmapsto \gamma_{A/B}(t)
 \end{array}$$