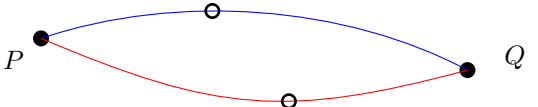
∇-geodesic $\gamma_\nabla(P,Q;t) = (PQ)^\nabla(t)$

$$(PQ)^\nabla(t) = \begin{pmatrix} M_{\mathrm{id}}(\theta(P),\theta(Q);1-t,t) \\ M_{\nabla F^*}(\eta(P),\eta(Q);1-t,t) \end{pmatrix}$$



∇^*-geodesic $\gamma_{\nabla^*}(P,Q;t) = (PQ)^{\nabla^*}(t)$

$$(PQ)^{\nabla^*}(t) = \begin{pmatrix} M_{\nabla F}(\theta(P),\theta(Q);1-t,t) \\ M_{\mathrm{id}}(\eta(P),\eta(Q);1-t,t) \end{pmatrix}$$

(M, g, ∇, ∇^*)