$$\Psi \in \Gamma\,\tilde{\nabla}_{\infty}^{q}$$

$$\dot{\Psi}\,\dot{\Psi} = \dot{\Upsilon}\,.\Gamma = \Upsilon$$

$$\begin{tikzcd}
\Gamma\,\tilde{\nabla}_{\infty}^{q} \arrow[r, "\Gamma\,."] \arrow[d, shift right, "\Psi"'] \arrow[dr] \arrow[drr, bend left] & \underbrace{\mathbb{K}\,\tilde{\nabla}_{\infty}^{q}}_{N} \arrow[dr, "\dot{\Upsilon}"] \arrow[d, shift left, "\dot{\Psi}"] & \\
\Gamma\,\tilde{\nabla}_{\infty}^{q} \arrow[r, "\Gamma\,."] \arrow[u, shift right, "\Psi"'] \arrow[ur] \arrow[urr, bend right] & \underbrace{\mathbb{K}\,\tilde{\nabla}_{\infty}^{q}}_{N} \arrow[r, "\dot{\Upsilon}"] \arrow[u, shift left, "\dot{\Psi}"] & \Gamma\,\tilde{\nabla}_{\infty}^{q}
\end{tikzcd}$$

$$\Psi\,.\Gamma = \dot{\Psi}\,.\Gamma = \Psi\,\dot{\Psi}$$

$$\Psi\,\Gamma\,. = \dot{\Psi}\,\Gamma\,. = \Psi$$

$$\Psi\,\Gamma\,. = \underbrace{\Psi\,\Gamma}_{\Psi}\,.\,\Psi = \Psi\,\Psi$$

$$\Psi\,\Gamma\,. = \underbrace{\Psi\,\Gamma}_{\Psi}\,.\,\Psi = \Psi\,\Psi$$