$$\underbrace{\overset{M}{\underset{\text{irr}}{+\!\!\diagdown_{\infty}}}\ \overset{M}{-\!\!\diagdown}\ \underline{G}}_{A} \xrightarrow[\text{hor}]{\alpha_{A}} \overset{M}{\diagdown_{\infty}}\ \underline{G}$$

$$\alpha_{A}\tau = \overbrace{d_{A}^{*}d_{A}}^{-1}\ d_{A}^{*}\tau$$

$$d_{A}^{*}\, d_{A}\, \alpha_{A}\tau = d_{A}^{*}\tau$$

$$\underbrace{\overset{M}{\underset{\text{irr}}{+\!\!\diagdown_{\infty}}}\ \overset{M}{-\!\!\diagdown}\ \underline{G}}_{A} \times \underbrace{\overset{M}{\underset{\text{irr}}{+\!\!\diagdown_{\infty}}}\ \overset{M}{-\!\!\diagdown}\ \underline{G}}_{A} \xrightarrow[\text{curv}]{\varkappa_{A}} \overset{M}{\diagdown_{\infty}}\ \underline{G}$$

$$\varkappa_{A}\left(\tau_{1}{:}\tau_{2}\right) = \overbrace{d_{A}^{*}d_{A}}^{-1}\ \left(\left[\tau_{1}^{h}\wedge\right]^{*}\tau_{2}^{h} - \left[\tau_{2}^{h}\wedge\right]^{*}\tau_{1}^{h}\right)$$

$$d_{A}^{*}\, d_{A}\, \varkappa_{A}\left(\tau_{1}{:}\tau_{2}\right) = \left[\,\tau_{1}^{h}\wedge\,\right]^{*}\tau_{2}^{h} - \left[\,\tau_{2}^{h}\wedge\,\right]^{*}\tau_{1}^{h}$$