

$$\zeta \overline{\varrho_h \gamma} = \zeta^h \gamma$$

$$\zeta \overline{\iota_\alpha \gamma} = \underline{\alpha} | \zeta \zeta \gamma$$

$$\zeta \overline{\partial_\alpha \gamma} = \alpha \zeta \underline{\gamma}$$

$$\iota_\alpha \varrho_h = \varrho_h \iota_{\alpha h}$$

$$\zeta \overline{\iota_\alpha \varrho_h \gamma} = \underline{\alpha} | \zeta \zeta \overline{\varrho_h \gamma} = \underline{\alpha} | \zeta \zeta^h \gamma = \underline{\alpha h} | \zeta h \zeta^h \gamma = \zeta^h \overline{\iota_{\alpha h} \gamma} = \zeta \overline{\varrho_h \iota_{\alpha h} \gamma}$$

$$\partial_\alpha \varrho_h = \varrho_h \partial_{\alpha h}$$

$$D = \overbrace{\iota_{w\bar{\varepsilon}_J} - \partial_{w\bar{\varepsilon}_J}} \overbrace{\iota_{\varepsilon_J} - \partial_{\varepsilon_J}} = \varrho_h^{-1} D \varrho_h$$

$$\varepsilon_I h = \varepsilon_J {}^J h_I$$

$$\bar{\varepsilon}_I h = \bar{\varepsilon}_J {}^J h_I$$

$${}^J h_I {}^K h_I = {}^J h_I {}^{I+} h_K = \underline{h h}^+_{K} = {}^J \delta_K$$

$$\begin{aligned} \varrho_h^{-1} D \varrho_h &= \varrho_h^{-1} \overbrace{\iota_{w\bar{\varepsilon}_I} - \partial_{w\bar{\varepsilon}_I}} \varrho_h \varrho_h^{-1} \overbrace{\iota_{\varepsilon_I} - \partial_{\varepsilon_I}} \varrho_h = \overbrace{\iota_{w\bar{\varepsilon}_I h} - \partial_{w\bar{\varepsilon}_I h}} \overbrace{\iota_{\varepsilon_I h} - \partial_{\varepsilon_I h}} = \\ &= \overbrace{\iota_{w\bar{\varepsilon}_J} - \partial_{w\bar{\varepsilon}_J}} {}^J h_I \overbrace{\iota_{\varepsilon_K} - \partial_{\varepsilon_K}} {}^K h_I = \overbrace{\iota_{w\bar{\varepsilon}_J} - \partial_{w\bar{\varepsilon}_J}} {}^J \delta_K \overbrace{\iota_{\varepsilon_K} - \partial_{\varepsilon_K}} = \overbrace{\iota_{w\bar{\varepsilon}_J} - \partial_{w\bar{\varepsilon}_J}} \overbrace{\iota_{\varepsilon_J} - \partial_{\varepsilon_J}} = D \end{aligned}$$