

$$\overline{\mathbb{J}} = \overline{\zeta} \int_{\mu_{\zeta}^0} \zeta \mathbb{J}$$

$$\overline{\zeta} = g_{\zeta}^{\nu} \overline{0} g_{\zeta}^{-\nu}$$

$$\overline{0}^{\alpha} = \sum_{\underline{m}}^{r\mathbb{N}_+} \underline{\alpha}^{\underline{m}} \mathcal{P}_{\underline{m}}$$

$$\overline{\zeta}^{\alpha} = g_{\zeta}^{\nu} \overline{0}^{\alpha} g_{\zeta}^{-\nu}$$

$$\alpha s_0 z = \alpha z \Rightarrow \alpha s_0 \in K^{\mathbb{C}}$$

$$\overline{0}^{\alpha} = \alpha s_0^{\nu}$$

$$\overline{\zeta}^{\alpha} = g_{\zeta}^{\nu} \mathcal{S}_0^{\alpha} g_{\zeta}^{-\nu}$$

$$\overline{\alpha s_0^{\nu}}^z = \alpha z \gamma = \sum_{\underline{m}}^{r\mathbb{N}_+} \alpha z \gamma_{\underline{m}} \alpha_{\text{scal}} \sum_{\underline{m}}^{r\mathbb{N}_+} \alpha^{|\underline{m}|} z \gamma_{\underline{m}} = \sum_{\underline{m}}^{r\mathbb{N}_+} \underline{\alpha}^{\underline{m}} \overline{\mathcal{P}_{\underline{m}}}^z$$

$$\overline{()^0} = \mathcal{T}$$

$$\overline{()^{-1}} = \mathcal{W}$$

$$\overline{g^{\nu} 1^0} = \underline{0} g^{\nu/2} = (ad - abc)^{-\nu}$$

$$\frac{\alpha^{1/2} \mid 0}{0 \mid \alpha^{-1/2}}$$

$$\frac{a \mid b}{c \mid d} \frac{\alpha^{1/2} \mid 0}{0 \mid \alpha^{-1/2}} \frac{a \mid b}{c \mid d}^{-1} = \frac{a \mid b}{c \mid d} \frac{\alpha^{1/2} \mid 0}{0 \mid \alpha^{-1/2}} \frac{d \mid -b}{-c \mid a} = \frac{\alpha ad - bc \mid (1 - \alpha) ab}{(\alpha - 1) cd \mid a - abc}$$

$$\overline{g^{\nu} 1^0} = \underline{0} g^{\nu/2} = (ad - abc)^{-\nu}$$

$$\frac{-1 \mid \zeta}{-\bar{\zeta} \mid 1} \frac{1 \mid 0}{0 \mid -1} \frac{-1 \mid \zeta}{-\bar{\zeta} \mid 1}^* = (1 - \zeta \bar{\zeta}) \frac{1 \mid 0}{0 \mid -1}$$

$$g_\zeta = \left(1 - \zeta\bar{\zeta}\right)^{-1/2} \frac{-1 \mid \zeta}{-\bar{\zeta} \mid 1} \in {}^{1,1}\mathbb{C}_{1,1}^U$$

$${}^0g_l = \zeta$$

$$\overline{ad - abc}^{-\nu} = \overline{1 - \zeta\bar{\zeta}}^\nu \overline{-11 - \alpha\zeta(-\bar{\zeta})}^{-\nu} = \overline{1 - \zeta\bar{\zeta}}^\nu \overline{1 - \alpha\zeta\bar{\zeta}}^{-\nu} = \left(\frac{1 - \zeta\bar{\zeta}}{1 - \alpha\zeta\bar{\zeta}}\right)^\nu$$

$$c_\nu^\alpha = \int_{\mu_\zeta^0}^0 \overline{g_\zeta^\nu 1} = \int_{\mu_\zeta^0} \frac{1 - \zeta\bar{\zeta}}{1 - \alpha\zeta\bar{\zeta}}^\nu = \int_{dt}^{0|1} \overline{1-t}^{\nu-2} \overline{1-\alpha t}^{-\nu} = \frac{1}{\nu-1} \frac{1}{1-\alpha}$$

$$\overline{\mathbb{J}} = \overline{w} \int_{\mu_0} w \mathbb{J}$$

$$k_z \overline{\mathbb{J}} k_z = k_{o_z} \overline{\mathbb{J}} k_{o_z} = \underbrace{z \mathcal{U}^\nu k_o}_{\overline{\mathbb{J}}} \overline{\mathbb{J}} \underbrace{k_o}_{z \mathcal{U}^\nu k_o}$$

$$= k_o \overline{z \mathcal{U}^{-\nu} \overline{\mathbb{J}} z \mathcal{U}^\nu k_o} = k_o \overline{z \mathcal{U} \mathbb{J} k_o} = \int_{\mu_w^0} \underbrace{z \mathcal{U} \mathbb{J}}_w k_o \overline{w} k_o ({}_w \mathfrak{b}) = \int_{\mu_w^\nu} \underbrace{z \mathcal{U} \mathbb{J}}_w {}_w \mathfrak{b} {}^w \mathcal{K}_w$$