

$${}^0\overline{\mathcal{P}}_\nu \mathcal{J} = \int_{dy}^{\pi^{-1}(0)} \mathbb{C} \Delta_y^{\nu-p} \mathbb{C} \overline{\Delta}_{y^e}^{-\nu} \overline{\gamma(0:y)}_y \mathcal{J}$$

$$\mathbb{C} B \xrightarrow[\mathbb{R} \text{ lin}]{\Lambda} \mathbb{C} B$$

$$K_{\mathbb{R}} \times \Lambda = 0$$

$$\pi^{-1}(0) = {}_{\mathbb{R}} B \Lambda = \left\{ \begin{array}{l} z \in {}_{\mathbb{C}} Z \\ \xi \Lambda^{-1} = z \Lambda^{-1} \end{array} \right.$$

$$\begin{array}{ccc} \pi^{-1}(0) & & \\ \uparrow \Lambda & \searrow \mathcal{J} & \\ \mathbb{R} B & \xrightarrow{1} & \mathbb{C} \end{array}$$

$$E_{\mathbb{R}}^\mu 1 = c_{\mathbb{Z}}^\mu \partial_{\mathbb{R}}^\mathbb{Z} 1$$

$$\partial_{\mathbb{R}} = \partial_{\mathbb{C}} + \bar{\partial}_{\mathbb{C}} \Rightarrow \partial_{\mathbb{R}}^n = \overline{\partial_{\mathbb{C}} + \bar{\partial}_{\mathbb{C}}}^n = \begin{bmatrix} n \\ m \end{bmatrix} \partial_{\mathbb{C}}^m \bar{\partial}_{\mathbb{C}}^{n-m} \Rightarrow \partial_{\mathbb{R}}^\mathbb{Z} = \sum_{\sigma+\tau=\mathbb{Z}} \begin{bmatrix} \mathbb{Z} \\ \sigma:\tau \end{bmatrix} \partial_{\mathbb{C}}^\sigma \bar{\partial}_{\mathbb{C}}^\tau$$

$$E_{\mathbb{C}}^\mu \downarrow = {}_\sigma c_\tau^\mu \partial_{\mathbb{C}}^\sigma \bar{\partial}_{\mathbb{C}}^\tau \downarrow$$

$$\partial_{\mathbb{C}}^\sigma \bar{\partial}_{\mathbb{C}}^\tau \underline{\Lambda \times \mathcal{J}} = {}_\alpha \Lambda_\beta^\tau \partial_{\mathbb{C}}^\alpha \bar{\partial}_{\mathbb{C}}^\beta \mathcal{J}$$

$${}_\alpha P_\beta^\mu = {}_\sigma c_\tau^\mu {}_\alpha \Lambda_\beta^\tau \Rightarrow E_{\mathbb{C}}^\mu \underline{\Lambda \times \mathcal{J}} = {}_\alpha P_\beta^\mu \partial_{\mathbb{C}}^\alpha \bar{\partial}_{\mathbb{C}}^\beta \mathcal{J}: K_{\mathbb{R}} \text{ inv}$$

$$\text{LHS} = {}_\sigma c_\tau^\mu \partial_{\mathbb{C}}^\sigma \bar{\partial}_{\mathbb{C}}^\tau \underline{\Lambda \times \mathcal{J}} = {}_\sigma c_\tau^\mu {}_\alpha \Lambda_\beta^\tau \partial_{\mathbb{C}}^\alpha \bar{\partial}_{\mathbb{C}}^\beta \mathcal{J} = \text{RHS}$$

$${}_{\mathbb{R}} B \xrightarrow[\mathbb{G}_{\mathbb{R}} \text{ inv}]{\mathcal{P}^\mu} \mathbb{C} B \xrightarrow[\infty]{\mathcal{J}} \mathbb{C}: \quad \overline{{}^x \mathcal{P}^\mu \mathcal{J}} = \overline{{}^0 E_{\mathbb{C}}^\mu \Lambda \gamma_x \times \mathcal{J}}$$

$$\overline{{}^0 \partial_{\mathbb{C}}^\alpha \gamma_x \times \gamma} = \sum_{\iota \leq \alpha} x \gamma_\iota^\alpha \overline{{}^x \partial_{\mathbb{C}}^\iota \gamma}$$

$$\mathbb{R}^B_{\Delta_\infty} \mathbb{C} \xleftarrow{\mathcal{P}^\mu_\varkappa} \mathbb{C}^B_{\Delta_\omega} \mathbb{C}: \quad \overline{\mathcal{P}^\mu_\varkappa \mathfrak{F}} = \alpha P^\mu_\beta \overline{x \gamma_\iota^\alpha} \overline{\partial_C^\iota \mathfrak{F}} \overline{x \bar{\gamma}^\beta} = \alpha P^\mu_\beta \overline{\partial_C^\alpha \gamma_x \times \mathfrak{F}} \overline{x \bar{\gamma}^\beta}$$

$$\overline{\mathcal{P}^\mu \bar{\mathfrak{F}}} = \overline{\partial_C^\varkappa \gamma} \overline{\mathcal{P}^\mu \mathfrak{F}}$$

$$\text{LHS} = \overline{E_C^\mu \Lambda \gamma_x \times \bar{\mathfrak{F}}} = \alpha P^\mu_\beta \overline{\partial_C^\alpha \bar{\partial}_C^\beta \gamma_x \times \bar{\mathfrak{F}}} = \alpha P^\mu_\beta \overline{\partial_C^\alpha \gamma_x \times \mathfrak{F}} \overline{\partial_C^\beta \gamma_x \times \mathfrak{F}} = \alpha P^\mu_\beta \overline{x \gamma_\iota^\alpha} \overline{\partial_C^\iota \mathfrak{F}} \overline{x \bar{\gamma}^\beta} \overline{\partial_C^\varkappa \gamma} = \text{RHS}$$

$$\mathbb{R}^B_{\Delta_\infty} \mathbb{C} \xleftarrow{\varrho^\mu} \mathbb{C}^B_{\Delta_\omega} \mathbb{C}: \quad \overline{\varrho^\mu \mathfrak{F}} = \overline{\mathbb{R} \Delta_x^p} \overline{(-\partial_{\mathbb{R}})^\varkappa \overline{\mathbb{R} \Delta_x^{-p} \mathcal{P}^\mu \mathfrak{F}}}$$

$$\int_{dx}^{\mathbb{R}^B} \overline{\mathbb{R} \Delta_x^{\nu-p} x \bar{\gamma} \overline{\varrho^\mu \mathfrak{F}}} = \int_{dx}^{\mathbb{R}^B} \overline{\mathbb{R} \Delta_x^{-p} x \overline{\mathcal{P}^\mu \gamma / I_\nu \mathfrak{F}}}$$

$$\begin{aligned} \text{LHS} &= \int_{dx}^{\mathbb{R}^B} \overline{\mathbb{R} \Delta_x^{-p} x \bar{\gamma} / I_\nu \overline{\varrho^\mu \mathfrak{F}}} = \int_{dx}^{\mathbb{R}^B} \overline{x \bar{\gamma} / I_\nu (-\partial_{\mathbb{R}})^\varkappa \overline{\mathbb{R} \Delta_x^{-p} \mathcal{P}^\mu \mathfrak{F}}} \\ &= \int_{dx}^{\mathbb{R}^B} \overline{\partial_{\mathbb{R}}^\varkappa \gamma / I_\nu \overline{\mathbb{R} \Delta_x^{-p} \mathcal{P}^\mu \mathfrak{F}}} = \int_{dx}^{\mathbb{R}^B} \overline{\mathbb{R} \Delta_x^{-p} \partial_C^\varkappa \gamma / I_\nu \overline{\mathcal{P}^\mu \mathfrak{F}}} = \text{RHS} \end{aligned}$$

$$\mathbb{R}^B_{\Delta_\infty} \mathbb{C} \xleftarrow[G_{\mathbb{R} \text{ inv}}]{\varrho^\mu} \mathbb{C}^B_{\Delta_\omega} \mathbb{C}$$

$$\overline{\mathcal{P}_\nu^{-1} \Lambda \times \mathfrak{A}} = \frac{1}{(\nu)_\mu} \overline{E_{\mathbb{R}}^\mu \mathfrak{A}}: \quad \overline{\mathcal{P}_\nu \mathfrak{J}} = \frac{1}{(\nu)_\mu} \overline{E_C^\mu \Lambda \times \mathfrak{J}}$$

$$\mathcal{P}_\nu \mathfrak{J} = \frac{1}{(\nu)_\mu} \mathcal{P}^\mu \mathfrak{J}$$

$$\overline{x \text{LHS}} \stackrel{\text{inv}}{=} \overline{\mathcal{P}_\nu \gamma_x \times \mathfrak{J}} = \frac{1}{(\nu)_\mu} \overline{E_C^\mu \Lambda \gamma_x \times \mathfrak{J}} = \overline{x \text{RHS}}$$

$$\varrho_\nu \mathfrak{F} = \frac{1}{(\nu)_\mu} \varrho^\mu \mathfrak{F}$$

$$\int_{dx}^{\mathbb{R}^B} \mathbb{R} \Delta_x^{\nu-p} \overline{\mathfrak{F}} \varrho_\nu \mathfrak{F} = \int_{dx}^{\mathbb{R}^B} \mathbb{R} \Delta_x^{-p} \overline{\mathcal{P}_\nu \mathfrak{F} / I_\nu \mathfrak{F}} = \frac{1}{(\nu)_\mu} \int_{dx}^{\mathbb{R}^B} \mathbb{R} \Delta_x^{-p} \overline{\mathcal{P}^\mu \mathfrak{F} / I_\nu \mathfrak{F}} = \frac{1}{(\nu)_\mu} \int_{dx}^{\mathbb{R}^B} \mathbb{R} \Delta_x^{\nu-p} \overline{\mathfrak{F}} \varrho^\mu \mathfrak{F}$$

$${}^0 \overline{\varrho^\mu \mathfrak{F}} = {}^0 \overline{(-\partial_{\mathbb{R}})^x \mathbb{R} \Delta_x^{-p} \mathcal{P}_x^\mu \mathfrak{F}} = \mathbb{R} K \mathfrak{F}$$

$$y_{-x} = \overline{1 + yx}^{-1} y = \overline{1 + yx}^{-1} y \overline{1 + xy}^{-1} \overline{1 + xy}^{-1} = \overline{y + xQ_y}^{-y} B_x^{-1}$$

$$y_{-x} {}^x B_x^{1/2} = \overline{y + xQ_y}^{-y} B_x^{-1} {}^x B_x^{1/2}$$

$$\partial_{u_j^\lambda} \left(\overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \right) = u_j^\lambda \mathfrak{F} \left(\overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \right) = u_j^\lambda \mathfrak{F} \overline{y_{-x} {}^x B_x^{1/2}} \mathfrak{F} u_i^\mu$$

$$\overline{y_x \mathfrak{F}} = y_x \mathfrak{F} = y_{-x} {}^x B_x^{1/2} + x \mathfrak{F} = \overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \overline{\partial_{u_i^\mu} \mathfrak{F}}$$

$${}^0 \overline{\partial^\sigma \gamma_x \mathfrak{F}} = \partial^\sigma \left(\overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \overline{\partial_{u_i^\mu} \mathfrak{F}} \right) = \partial^\sigma \left(\overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \right) \overline{\partial_{u_i^\mu} \mathfrak{F}}$$

$${}^0 \overline{\partial_{u_j^\lambda} \gamma_x \mathfrak{F}} = \partial_{u_j^\lambda} \left(\overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \overline{\partial_{u_i^\mu} \mathfrak{F}} \right) = \partial_{u_j^\lambda} \left(\overline{y_{-x} {}^x B_x^{1/2}} u_i^\mu \right) \overline{\partial_{u_i^\mu} \mathfrak{F}}$$