$$\int\limits_{dx}^{\mathbb{R}^d} \partial_i \daleth = 0$$

$$d\overbrace{\daleth \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^{i-1}} \bowtie \underbrace{dx^{i+1}} \ddot{\bowtie} \underbrace{dx^d}} = \partial_j \daleth \underbrace{dx^j} \bowtie \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^{i-1}} \bowtie \underbrace{dx^{i+1}} \ddot{\bowtie} \underbrace{dx^d}$$

$$= \partial_i \daleth \underbrace{dx^i} \bowtie \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^{i-1}} \bowtie \underbrace{dx^{i+1}} \ddot{\bowtie} \underbrace{dx^d} = -1^{i-i} \partial_i \daleth \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^{i-1}} \bowtie \underbrace{dx^i} \bowtie \underbrace{dx^{i+1}} \ddot{\bowtie} \underbrace{dx^d}$$

$$= -1^{i-i} \partial_i \daleth \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^d}$$

$$\Rightarrow 0 = \int^{\mathbb{R}^d} d\overbrace{\daleth \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^{i-1}} \bowtie \underbrace{dx^{i+1}} \ddot{\bowtie} \underbrace{dx^d}} = -1^{i-i} \int^{\mathbb{R}^d} \partial_i \daleth \underbrace{dx^1} \ddot{\bowtie} \underbrace{dx^d} = \int\limits_{dx}^{\mathbb{R}^d} \partial_i \daleth$$

$$\int\limits_{dx}^{\mathbb{R}^d} \underbrace{P\daleth}\, \daleth\!\!\!- = \int\limits_{dx}^{\mathbb{R}^d} \bar{\daleth}\, \underbrace{P\bar{\daleth\!\!\!-}}$$

$$\int\limits_{dx}^{\mathbb{R}^d} \underbrace{\partial_i \daleth}\, \daleth\!\!\!- = -\int\limits_{dx}^{\mathbb{R}^d} \daleth \underbrace{\partial_i \daleth\!\!\!-} = -\int\limits_{dx}^{\mathbb{R}^d} {}^x\daleth\ {}^x\overbrace{\partial_i \daleth\!\!\!-} = -\int\limits_{dx}^{\mathbb{R}^d} {}^{-x}\daleth\ {}^{-x}\overbrace{\partial_i \daleth\!\!\!-} = \int\limits_{dx}^{\mathbb{R}^d} {}^{-x}\daleth\ {}^x\overbrace{\partial_i \bar{\daleth\!\!\!-}} = \int\limits_{dx}^{\mathbb{R}^d} {}^{x}\bar{\daleth}\ {}^x\overbrace{\partial_i \bar{\daleth\!\!\!-}} = \int\limits_{dx}^{\mathbb{R}^d} \bar{\daleth}\, \underbrace{\partial_i \bar{\daleth\!\!\!-}}$$

$$\int\limits_{dx}^{\mathbb{R}^d} \underbrace{PQ\daleth}\, \daleth\!\!\!- = \int\limits_{dx}^{\mathbb{R}^d} \overline{\overbrace{Q\daleth}}\, \underbrace{P\bar{\daleth\!\!\!-}} = \int\limits_{dx}^{\mathbb{R}^d} \overbrace{Q\daleth}\, \overline{\overbrace{P\bar{\daleth\!\!\!-}}} = \int\limits_{dx}^{\mathbb{R}^d} \bar{\daleth}\, \underbrace{Q\, \overline{\overline{\overbrace{P\bar{\daleth\!\!\!-}}}}} = \int\limits_{dx}^{\mathbb{R}^d} \bar{\daleth}\, \underbrace{QP\bar{\daleth\!\!\!-}} = \int\limits_{dx}^{\mathbb{R}^d} \bar{\daleth}\, \underbrace{PQ\bar{\daleth\!\!\!-}}$$

$${}^0\overbrace{P\underbrace{{}^z h_z {}^z F}} = {}^0h_0\ {}^0\overbrace{PF}$$

$${}^z h_z = \sum_j {}^z h^j\ {}^{z}_{j}\bar{h} \text{ bi-hom}$$

$${}^0\overbrace{P\underbrace{{}^z h_z {}^z F}} = \sum_j {}^0\overbrace{P\underbrace{{}^z h^j {}^z_j\bar{h}\, {}^z F}} = \sum_j {}^0_j\bar{h}\ {}^0\overbrace{P\underbrace{{}^z h^j {}^z F}} = {}_0\bar{h}\ {}^0\overbrace{P\underbrace{h^{0z} F}} = h^0\ {}_0\bar{h}\ {}^0\overbrace{P^z F} = {}^0h_0\ {}^0\overbrace{PF}$$

$$\partial_p \, {}^z\mathfrak{e}_w = {}^w\bar{p} \, {}^z\mathfrak{e}_w$$

$$p \,\maltese\, q = {}^0\overbrace{\partial_p q}$$

$$\bigwedge_k^{K_\mathbb{R}} k \ltimes p = p$$

$${}^z\overbrace{\partial_p^\nu F} =$$

$${}^z I^{-1} = {}^z\mathcal{K}_{\underset{z}{\sharp}}^{-\,1/2}$$

$${}^{zg} I^{-1} = {}^{zg}\mathcal{K}_{\underset{\frown zg}{\sharp}}^{-\,1/2} \underset{g \in G_\mathbb{R}}{=} {}^{zg}\mathcal{K}_{\underset{z}{\sharp} g}^{-\,1/2} = {}^z\underline{g}^{\nu/2p_\mathbb{C}} \, {}^z\mathcal{K}_{\underset{z}{\sharp}}^{-\,1/2} \, \overline{{}^{\sharp}_{z}\underline{g}^{\nu/2p_\mathbb{C}}} = {}^z\underline{g}^{\nu/p_\mathbb{C}} \, {}^z\mathcal{K}_{\underset{z}{\sharp}}^{-\,1/2} = {}^z\underline{g}^{\nu/p_\mathbb{C}} \, {}^z I^{-1}$$

$$\Longrightarrow {}^z I^{-1} = {}^z\underline{g}^{-\nu/p_\mathbb{C}} \, {}^{zg} I^{-1} = {}^{zg}\underline{g}^{-1\nu/p_\mathbb{C}} \, {}^{zg} I^{-1} = {}^{zg}\overbrace{\underline{g}^{-1\nu/p_\mathbb{C}} I^{-1}}$$

$$\widetilde{L}\, F = \varrho I \, \overbrace{L \underbrace{I^{-1} F}}$$

$$\widetilde{L}\,(g^\nu F) = g^\nu \, \widetilde{L}\, F$$

$${}^z\underline{g}^{\nu/p_\mathbb{C}} \, {}^{zg} I = {}^z I$$

$$\Longrightarrow {}^x\overbrace{\widetilde{L}\, \underbrace{g^\nu F}} = {}^x\overbrace{\varrho I} \; {}^x\overbrace{L \underbrace{I^{-1} g^\nu F}} = {}^x I \; {}^x\overbrace{L \left({}^z\underline{g}^{-\nu/p_\mathbb{C}} \, {}^{zg} I^{-1} \, {}^z\underline{g}^{\nu/p_\mathbb{C}} \, {}^{zg} F \right)}$$

$$= {}^x\underline{g}^{\nu/p_\mathbb{C}} \, {}^{xg} I \; {}^x\overbrace{L \left({}^{zg} I^{-1} \, {}^{zg} F \right)} = {}^x\underline{g}^{\nu/p_\mathbb{C}} \, {}^{xg} I \; {}^{xg}\overbrace{L \underbrace{I^{-1} F}} = {}^x g^{\nu/p_\mathbb{C}} \; {}^x\underbrace{\widetilde{L} F} = {}^x\overbrace{g^\nu \underbrace{\widetilde{L} F}}$$

$$\widetilde{L}\, F = \sum_\alpha^{d^\mathbb{N}} c_\alpha \, \partial^\alpha F$$

$${}^x\overbrace{\widetilde{L} F} = \sum_\alpha^{d^\mathbb{N}} {}^x c_\alpha \; {}^x\overbrace{\partial^\alpha F}$$

$${}^0\overbrace{\widetilde{L} F} = \sum_\alpha^{d^\mathbb{N}} {}^0 c_\alpha \; {}^0\overbrace{\partial^\alpha F} = {}^0\overbrace{\partial_p F} = p \,\maltese\, F$$

$$\widetilde{L}_0 = \partial_p$$

$$K_{\mathbb{R}} \ltimes p = p$$

$$\underbrace{k^{-1} \ltimes p} \blacktriangledown F = p \blacktriangledown \underbrace{k \ltimes F} = {}^{0}\overbrace{\partial_p \underbrace{k \ltimes F}} = {}^{0}\overbrace{\widetilde{L} \underbrace{k \ltimes F}} = {}^{0}\overbrace{\widetilde{L} \underbrace{k^{\nu} F}} = {}^{0}\overbrace{k^{\nu} \underbrace{\widetilde{L} F}} = {}^{0}\overbrace{\widetilde{L} F} = {}^{0}\overbrace{\partial_p F} = p \blacktriangledown F$$

$${}^{x}\overbrace{\partial_p^{0} F} = {}^{0\gamma_x}\overbrace{\partial_p^{0} F} = {}^{0}\overbrace{\partial_p^{0} \underbrace{\gamma_x \ltimes F}} = {}^{0}\overbrace{\partial_p \underbrace{\gamma_x \ltimes F}} = p \blacktriangledown \underbrace{\gamma_x \ltimes F}$$

$${}^{0}\underline{\gamma}_x^{\nu / p_{\mathbb{C}}}\ {}^{x}\overbrace{\partial_p^{\nu} F} = {}^{0}\overbrace{\gamma_x^{\nu} \partial_p^{\nu} F} = {}^{0}\overbrace{\partial_p^{\nu} \underbrace{\gamma_x^{\nu} F}} = {}^{0}\overbrace{\partial_p \underbrace{\gamma_x^{\nu} F}} = p \blacktriangledown \underbrace{\gamma_x^{\nu} F}$$

$$p = \sum_{\mu}^{K_{\mathbb{C}} \sharp K_{\mathbb{R}}} p_{\mu}$$

$$\widetilde{L} = \sum_{\mu}^{K_{\mathbb{C}} \sharp K_{\mathbb{R}}} \partial_{p_{\mu}}^{\nu}$$

$$LF = \varrho I \sum_{\mu}^{K_{\mathbb{C}} \sharp K_{\mathbb{R}}} \hat{\partial}_{p_{\mu}} \underbrace{I^{-1} F}$$

$$D^{\mathbb{R}} \underset{\infty}{\triangle} \mathbb{C} \xleftarrow[G_{\mathbb{R}}\text{ -inv}]{\vartheta} D^{\mathbb{C}} \underset{\infty}{\triangle} \mathbb{C} \begin{cases} \vartheta = \sum_{\alpha:\beta} \vartheta^{\alpha:\beta} \partial_{\alpha} \bar{\partial}_{\beta} \\ \vartheta \daleth = \sum_{\alpha:\beta} \vartheta^{\alpha:\beta} \partial_{\alpha} \bar{\partial}_{\beta} \daleth \\ {}^{z:\bar{z}}\overbrace{\vartheta \daleth} = \sum_{\alpha:\beta} {}^{z:\bar{z}}\overbrace{\vartheta^{\alpha:\beta} \partial_{\alpha} \bar{\partial}_{\beta} \daleth} \end{cases}$$

$$Z^{\mathbb{R}} \underset{\frown}{\triangle} \mathbb{C} \xleftarrow[K_{\mathbb{R}}\text{ -inv}]{\vartheta_0} Z^{\mathbb{C}} \underset{\frown}{\triangle} \mathbb{C} \begin{cases} \vartheta_0 = \sum_{\alpha:\beta} {}^{0}\vartheta^{\alpha:\beta} \partial_{\alpha} \bar{\partial}_{\beta} \\ \vartheta_0 \daleth = \sum_{\alpha:\beta} {}^{0}\vartheta^{\alpha:\beta} \partial_{\alpha} \bar{\partial}_{\beta} \daleth \\ {}^{z:\bar{z}}\overbrace{\vartheta_0 \daleth} = \sum_{\alpha:\beta} {}^{0}\vartheta^{\alpha:\beta}\ {}^{z:\bar{z}}\overbrace{\partial_{\alpha} \bar{\partial}_{\beta} \daleth} \end{cases}$$

$${}^{z}\overbrace{\hat{\vartheta}_0}_{z} = \sum_{\alpha:\beta} {}^{0}\vartheta^{\alpha:\beta}\ z^{\alpha}\ \bar{z}^{\beta}$$

$$\mathfrak{h}_0 = \hat{\mathfrak{h}}_0 \left(\partial{:}\bar{\partial}\right)$$

$${}^{z}p = {}^{z}\widehat{\hat{\mathfrak{h}}_0} = \sum_{\alpha} {}^{0}\mathfrak{h}^{\alpha}\; z^{\alpha} \in Z^{\mathbb{C}} \triangleright \mathbb{C}\; K^{\mathbb{R}}\ \mathrm{inv}$$

$${}^{z}p = \sum_{\mu}^{K^{\sharp}_{\mathbb{C}/\mathbb{R}}} p_{\mu}\, {}^{z}K^{\mu}_{\mathbb{C}/\mathbb{R}}$$

$$K^{\mu}_{\mathbb{C}/\mathbb{R}} = \int^{\lambda} {}_{\lambda}K^{\mu}_{\mathbb{C}/\mathbb{R}} \left(G_{\mathbb{R}}/K_{\mathbb{R}}\right)_{\lambda}$$