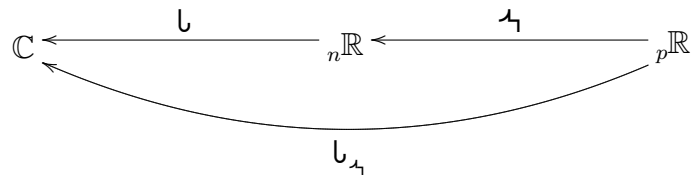


co basis $\mathcal{A} = \mathcal{A}^1 \mid \dots \mid \mathcal{A}^p$

$${}^n\mathbb{R} \ni \mathcal{A}^i \leftarrow \frac{\mathcal{A}}{\text{lin}} \leftarrow {}^p\mathbb{R} \ni 1$$



$$\widehat{\mathcal{L}_{\mathcal{A}}} = \mathcal{L}_{\mathcal{A}^1}$$

$$\mathbb{R}^n \xrightarrow{\eta} \mathbb{C}$$

$$\downarrow \eta^* = \int_{\downarrow = \mathcal{L}\mathcal{A}} \mathcal{L}\eta \det d\mathcal{L}\mathcal{A}^1 \mid \dots \mid d\mathcal{L}\mathcal{A}^p \vdash d\mathcal{L}$$

$$\hat{\eta}^* = \hat{\eta}_{\mathcal{A}}^*$$

$$\mathcal{L}\eta = \int_{d\mathcal{L}} \eta_{\mathcal{A}^1} e^{-i\mathcal{L}\mathcal{A}^1}$$

$$\mathbb{C}_{\mathbb{R}^{1+n}}$$

$\omega(\mathcal{L})$ vol n-form

$$\mathbb{C}_{\mathbb{R}^{1+n}} \supset \frac{\mathcal{L} \in \mathbb{C}_{\mathbb{R}^{1+n}}}{\mathcal{L} \mid \mathcal{A}^1 = 0} \text{ q-plane}$$

$$\hat{\eta}^* \eta^* = \int_{d\mathcal{L}}^{\mathcal{L} \cdot \mathcal{A}^1 = 0} \mathcal{L}\eta \det d\mathcal{L}\mathcal{A}^1 \mid \dots \mid d\mathcal{L}\mathcal{A}^p \vdash \omega(\mathcal{L})$$

$\det \mathcal{A}^1 \mid \dots \mid \mathcal{A}^p \mid d\mathcal{A}^1 \partial \cdot \mid \dots \mid d\mathcal{A}^p \partial \cdot$ q-form on $\mathbb{C}_{\mathbb{R}^n} \rightarrow \mathbb{C}_{\mathbb{R}^n}$