

$$\begin{array}{ccc}
L^2_{\omega} \mathbb{C} & & \mathbb{C}^n_{\omega} \\
\downarrow \mathcal{A}_{\nu}^*/\mathcal{W}_{\nu}^* \asymp & & \downarrow \mathcal{A}_{\nu}^*/\mathcal{W}_{\nu}^* \asymp \\
L^{\mathbb{R}}_{\frac{2}{m}} \mathbb{C} & & \mathbb{R}^n_{\frac{2}{m}} \mathbb{C}
\end{array}$$

$$\zeta \overline{\mathcal{W}_{\nu}^* \gamma} = \int_{dz}^{\mathbb{C}^n} \nu (2\zeta \star z - z \star z - \zeta \star \zeta - \bar{z} \star z/2) e^{z \gamma}$$

$$f \star \overline{\mathcal{W}_{\nu}^* \gamma} = \overline{\mathcal{W}_{\nu} f \star \gamma}$$

$$\text{LHS} = \int_{d\zeta}^{\mathbb{R}^n} \zeta \bar{f} \zeta \overline{\mathcal{W}_{\nu}^* \gamma} = \int_{d\zeta}^{\mathbb{R}^n} \zeta \bar{f} \int_{dz}^{\mathbb{C}^n} \nu (2\zeta \star z - z \star z - \zeta \star \zeta - \bar{z} \star z/2) e^{z \gamma}$$

$$\text{RHS} = \int_{dz}^{\mathbb{C}^n} -\nu z \star z e^{z \gamma} \overline{\mathcal{W}_{\nu} f \star \gamma} = \int_{dz}^{\mathbb{C}^n} -\nu z \star z e^{z \gamma} \int_{d\zeta}^{\mathbb{R}^n} \nu (2\zeta \star z - \zeta \star \zeta - z \star \bar{z}/2) e^{\zeta \bar{f} z \gamma}$$