

$$\mathbb{C} \underset{w}{\triangle} \mathbb{C} \ni \gamma$$

$$\gamma \star \gamma = \int_{dz/\pi}^{\mathbb{C}} -z\bar{z} \mathbf{e} \, {}^z\bar{\gamma} \, {}^z\gamma$$

$${}^z\overline{\partial}^* \gamma = {}^z\gamma \text{ creation}$$

$${}^z\overline{\partial} \gamma = {}^z\gamma \text{ annihilation}$$

$$\partial \star \overline{\partial}^* = 1$$

$$\Omega = 1 \text{ vacuum}$$

$$z^n = \overline{\partial}^{*n} \Omega$$

$$\partial^n \Omega = 0$$

$$\text{coherent state } {}^zK_w = {}^z\star w \mathbf{e}$$

$${}^z\gamma = K_z \star \gamma$$

$$\text{Tr } T = \int_{dz/\pi}^{\mathbb{C}} -z\bar{z} \mathbf{e} \, K_z \star \underline{TK}_z$$