

$$\tilde{\mathcal{C}}_R^z \subset \mathfrak{H}$$

$$\gamma \in \mathfrak{H} \triangleleft_{\infty} \mathbb{C} \Rightarrow z\gamma = \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_R^z} \frac{w\gamma}{w-z} - \int_{d^2 w/\pi}^{\mathcal{C}_R^z} \frac{\bar{\partial}_w w\gamma}{w-z}$$

$$z\gamma - \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_R^z} \frac{w\gamma}{w-z} + \int_{d^2 w/\pi}^{\mathcal{C}_R^z} \frac{\bar{\partial}_w w\gamma}{w-z} = 0$$

$$0 < \rho < R \Rightarrow \tilde{\mathcal{C}}_{\rho}^z \subset \mathcal{C}_R^z$$

$$0 < r \leq \rho \Rightarrow \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_R^z} \frac{w\gamma}{w-z} - \int_{d^2 w/\pi}^{\mathcal{C}_R^z} \frac{\bar{\partial}_w w\gamma}{w-z} = \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_r^z} \frac{w\gamma}{w-z} - \int_{d^2 w/\pi}^{\mathcal{C}_r^z} \frac{\bar{\partial}_w w\gamma}{w-z}$$

$$\int_{dw/2\pi i}^{\tilde{\mathcal{C}}_R^z} \frac{w\gamma}{w-z} - \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_r^z} \frac{w\gamma}{w-z} = \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_{r:R}^z} \frac{w\gamma}{w-z} \stackrel{\text{STO}}{=} \int_{d^2 w/\pi}^{\mathcal{C}_{r:R}^z} \bar{\partial}_w \frac{w\gamma}{w-z} = \int_{d^2 w/\pi}^{\mathcal{C}_{r:R}^z} \frac{\bar{\partial}_w w\gamma}{w-z} = \int_{d^2 w/\pi}^{\mathcal{C}_R^z} \frac{\bar{\partial}_w w\gamma}{w-z} - \int_{d^2 w/\pi}^{\mathcal{C}_r^z} \frac{\bar{\partial}_w w\gamma}{w-z}$$

$$\int_{dw/2\pi i}^{\tilde{\mathcal{C}}_R^z} \frac{w\gamma}{w-z} - \int_{d^2 w/\pi}^{\mathcal{C}_R^z} \frac{\bar{\partial}_w w\gamma}{w-z} - z\gamma = \int_{dw/2\pi i}^{\tilde{\mathcal{C}}_r^z} \frac{w\gamma}{w-z} - z\gamma - \int_{d^2 w/\pi}^{\mathcal{C}_r^z} \frac{\bar{\partial}_w w\gamma}{w-z}$$

$$= \int_{dt/2\pi}^{0|2\pi} r e^{it} \frac{z + r e^{it} \gamma}{r e^{it}} - z\gamma - \int_{dt/\pi}^{0|2\pi} \int_{d\rho}^{0|r} \rho \frac{\bar{\partial}_w z + \rho e^{it} \gamma}{\rho e^{it}} = \int_{dt/2\pi}^{0|2\pi} \underbrace{z + r e^{it} \gamma - z\gamma}_{\text{MWS}} - \int_{dt/\pi}^{0|2\pi} \int_{d\rho}^{0|r} e^{-it} \bar{\partial}_w z + \rho e^{it} \gamma$$

$$\mathcal{C}_R^z \xrightarrow[\text{stet}]{\gamma} \mathbb{C} \triangleleft_{\infty} \mathbb{C} \xRightarrow{\text{MWS}} \overline{\tilde{\mathcal{C}}_{\rho}^z \gamma} < +\infty \Rightarrow \overline{z + r e^{it} \gamma - z\gamma} \leq \overline{z + r e^{it} \gamma - z} \leq \overline{z + r e^{it} \gamma} \leq r \overline{\tilde{\mathcal{C}}_{\rho}^z \gamma}$$

$$\Rightarrow \int_{dt/2\pi}^{0|2\pi} \overline{z + r e^{it} \gamma - z\gamma} \leq \int_{dt/2\pi}^{0|2\pi} \overline{z + r e^{it} \gamma - z\gamma} \leq r \overline{\tilde{\mathcal{C}}_{\rho}^z \gamma} \rightsquigarrow 0$$

$$\bar{\partial}_w \gamma \text{ stet} \Rightarrow \overline{\tilde{\mathcal{C}}_{\rho}^z \bar{\partial}_w \gamma} < +\infty \Rightarrow \int_{dt/\pi}^{0|2\pi} \int_{d\rho}^{0|r} e^{-it} \bar{\partial}_w z + \rho e^{it} \gamma \leq \int_{dt/\pi}^{0|2\pi} \int_{d\rho}^{0|r} e^{-it} \bar{\partial}_w z + \rho e^{it} \gamma \leq 2r \overline{\tilde{\mathcal{C}}_{\rho}^z \bar{\partial}_w \gamma} \leq 2r \overline{\tilde{\mathcal{C}}_{\rho}^z \bar{\partial}_w \gamma} \rightsquigarrow 0$$