

cpt  $K \subset \mathfrak{h} \subset \mathbb{C}^n : n \geq 2$

$$\mathfrak{h} \perp K \text{ prim} \Rightarrow \bigwedge \gamma \in \mathfrak{h} \perp K \underset{\varphi}{\Delta} \mathbb{C} \stackrel{\varrho}{\underset{\gamma}{\simeq}} \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C} \ni \hat{\gamma} \vee$$

$$\gamma \underset{\mathfrak{h} \perp K}{=} \hat{\gamma}$$

$$\text{Ex} \begin{cases} \bigvee \varphi \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C} & \mathfrak{h} \supset \text{Trg } \varphi \\ \bigvee \supset K & \varphi \equiv 1 \end{cases}$$

$$\gamma \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C} \Rightarrow \gamma_0 = \begin{cases} 0 & K \\ (1-\varphi)\gamma & \mathfrak{h} \perp K \end{cases} \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C} \Rightarrow \gamma_1 = -\bar{\partial}_j \varphi \gamma_0 = \begin{cases} 0 & K \subset \mathbb{C}^n \perp \overline{\mathfrak{h} \perp K} \\ \bar{\partial}_j \varphi \gamma & \mathfrak{h} \perp K \end{cases} \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C}$$

$$\bar{\partial}_i \gamma_1 = \begin{cases} 0 & \mathbb{C}^n \perp \overline{\mathfrak{h} \perp K} \\ \bar{\partial}_i \bar{\partial}_j \varphi & \mathfrak{h} \perp K \end{cases} = \begin{cases} 0 & \mathbb{C}^n \perp \overline{\mathfrak{h} \perp K} \\ \bar{\partial}_i \bar{\partial}_j \varphi & \mathfrak{h} \perp K \end{cases} = \bar{\partial}_i \gamma_1$$

$$\bigvee \begin{cases} \gamma \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C} \\ \bar{\partial}_j \gamma_1 = \gamma_1 \end{cases} \Rightarrow \begin{cases} \hat{\gamma} = \gamma_0 + \gamma_1 & \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C} \\ \bar{\partial}_j \hat{\gamma} = \bar{\partial}_j \gamma_0 + \bar{\partial}_j \gamma_1 = -\gamma_1 + \gamma_1 = 0 \end{cases} \Rightarrow \hat{\gamma} \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C}$$

$$\text{Trg } \gamma_1 \subset \text{Trg } \varphi \Rightarrow \bar{\partial}_j \gamma_1 = \gamma_1 \underset{\mathbb{C}^n \perp \text{Trg } \varphi}{=} 0 \Rightarrow \gamma \text{ hol on } \mathbb{C}^n \perp \text{Trg } \varphi \supset \overline{\mathbb{C}^n \perp \text{Trg } \varphi} \sim = W$$

$$\text{Trg } g \text{ cpt} \Rightarrow \gamma_W = 0 \Rightarrow \hat{\gamma} \underset{W}{=} \gamma_0$$

$$\gamma \underset{\mathfrak{h} \perp \text{Trg } \varphi = \mathfrak{h} \cap \overline{\mathbb{C}^n \perp \text{Trg } \varphi} \supset \mathfrak{h} \cap W}{=} \gamma_0 \Rightarrow \hat{\gamma} \underset{\mathfrak{h} \cap W \subset \mathfrak{h} \perp \overline{\text{Trg } \varphi} \subset \mathfrak{h} \perp K}{=} \gamma \underset{\mathfrak{h} \perp K \text{ prim}}{\Rightarrow} \hat{\gamma} \underset{\mathfrak{h} \perp K}{=} \gamma$$

$$\partial W \subset \partial \overline{\mathbb{C}^n \perp \text{Trg } \varphi} = \partial \text{Trg } \varphi \subset \mathfrak{h} \Rightarrow \mathfrak{h} \cap W \neq \emptyset \Rightarrow \hat{\gamma} \underset{\mathfrak{h} \perp K}{=} \gamma$$

$$\text{Eind } \hat{\gamma} \in \mathfrak{h} \underset{\varphi}{\Delta} \mathbb{C}$$

$$\hat{\gamma} \underset{\mathfrak{h} \perp K}{=} 0 \Rightarrow \hat{\gamma} = 0$$