

$$\mathbb{C}^d \supset \mathfrak{h}_{\text{prim}} \\ \mathbb{T} \text{ inv}$$

$$\gamma \in \mathfrak{h} \Rightarrow \mathbb{L}\gamma \in \sum_{\mathfrak{z}} \mathbb{L}^{\mathfrak{z}} \mathbb{L}\gamma_{\mathfrak{z}}$$

$$\mathbb{L}\gamma_{\mathfrak{z}} = \int_{dv}^{\mathbb{T}} \frac{\mathbb{L}v\gamma}{v^{\mathfrak{z}+1}} \in \bigwedge_v^{\mathbb{T}} \mathbb{L}v\gamma_{\mathfrak{z}} = v^{\mathfrak{z}} \mathbb{L}\gamma_{\mathfrak{z}} \text{ homogen}$$

$$\bigwedge_{\mathbb{L}}^{\mathfrak{h}} \frac{v \in \mathbb{C}}{\mathbb{L}v \in \mathfrak{h}} \subset \mathbb{L}\mathfrak{h} \subset \mathbb{T}$$

$${}^v\mathbb{L}\gamma = \mathbb{L}v\gamma \text{ hol on } \mathbb{L}\mathfrak{h} \Rightarrow {}^v\mathbb{L}\gamma \in \sum_{\mathfrak{z}} v^{\mathfrak{z}} g_{\mathfrak{z}}^{\#}$$

$$g_{\mathfrak{z}}^{\#} = \int_{d\vartheta}^{\mathbb{T}} \frac{\vartheta g}{\vartheta^{\mathfrak{z}+1}} = \mathbb{L}\gamma_{\mathfrak{z}} \Rightarrow \mathbb{L}\gamma = {}^1g \in \sum_{\mathbb{Z}} \mathbb{L}^{\mathfrak{z}} \mathbb{L}\gamma_{\mathfrak{z}} \text{ pointwise}$$

$$\mathbb{T} \times \mathfrak{h} \ni v:\mathbb{L} \mapsto \frac{\mathbb{L}v\gamma}{v^{\mathfrak{z}+1}} \in \mathfrak{h} \Rightarrow \gamma_{\mathfrak{z}} \in$$

int-trafo \Rightarrow homogen

$$\mathfrak{h} \supset K \text{ cpt} \Rightarrow \mathfrak{h} \supset \mathbb{T}K \text{ cpt} \Rightarrow \bigvee_{R>1} (R-1) \bigwedge_{\mathbb{L}}^K |\mathbb{L}| < r = \overline{\mathbb{T}K \cdot \partial\mathfrak{h}}$$

$$\bigwedge_{\mathbb{L}}^K \bigwedge_{\frac{-1}{R} \leq |v| \leq R} 1-R < \frac{1-R}{R} = \frac{1}{R-1} \leq |v|-1 \leq R-1 \Rightarrow \overline{|v|-1} \leq R-1$$

$$\mathbb{L} \in K \Rightarrow \frac{v}{|v|} \mathbb{L} \in \mathbb{T}K$$

$$\overline{\mathbb{L}v \frac{v}{|v|} \mathbb{L}} = \overline{(|v|-1) \frac{v}{|v|} \mathbb{L}} = \overline{|v|-1} \overline{\mathbb{L}} \leq (R-1) \overline{\mathbb{L}} < r \Rightarrow \mathbb{L}v \in \mathfrak{h}$$

$${}^v\mathbb{L}\gamma = \mathbb{L}v\gamma \text{ hol on } \frac{v \in \mathbb{C}}{\mathbb{L}v \in \mathfrak{h}} \supset \frac{v}{\frac{-1}{R} \leq |v| \leq R} = : \overline{R} |R$$

$$\mathbb{L}\gamma_{\mathfrak{z}} = \int_{dv}^{\mathbb{T}} \frac{\mathbb{L}v\gamma}{v^{\mathfrak{z}+1}} = \int_{dv}^{|v|=R \text{ sglk } \mathfrak{z}} \frac{\mathbb{L}v\gamma}{v^{\mathfrak{z}+1} \mathbb{L}} \mathbb{L}^{\#}_{\mathfrak{z}} =$$

$$\Rightarrow \sum_{\mathfrak{z}} \overline{\mathbb{L}\gamma_{\mathfrak{z}}} \leq \bigwedge_{\mathbb{L}}^K \bigwedge_{\frac{-1}{R} \leq |v| \leq R} \overline{\mathbb{L}v\gamma} \sum_{\mathfrak{z}} \frac{1}{R^{|\mathfrak{z}|}} < \infty \Rightarrow \mathbb{L}\gamma \in \sum_{\mathfrak{z}} \mathbb{L}\gamma_{\mathfrak{z}} \bigwedge_{r_- \leq |w| \leq r_+} \overline{w}\gamma \leq 1$$