

$${}^x_{\mathbb{C}}X_r = {}^x X_{r_c}$$

$$\tilde{X} \xrightarrow[\text{con}]{\tilde{X}_\lambda} \mathbb{R}$$

$${}^x \tilde{X}_\lambda = {}^x X_{\varrho + \lambda}$$

$$\tilde{Z} \xrightarrow[\text{con}]{\tilde{Z}_\lambda} \mathbb{C}$$

$$u:v \tilde{Z}_\lambda = u + u^* - 2v\tilde{v} \tilde{X}_\lambda = u + u^* - 2v\tilde{v} X_{\varrho + \lambda}$$

$${}_{\mathbb{C}}\tilde{Z} \xrightarrow[\text{hol}]{\tilde{Z}_\lambda^{\mathbb{C}}} \mathbb{C} \text{ hol extension}$$

$$\begin{array}{ccc} & \tilde{Z}_{\lambda r}^{\mathbb{C}} & \\ & \text{hol} & \\ {}_{\mathbb{C}}\tilde{Z} & \xrightarrow{\text{hol}} \tilde{X}^{\mathbb{C}} & \xrightarrow[\text{hol}]{\tilde{X}_{\lambda r_c}^{\mathbb{C}}} \mathbb{C} \end{array}$$

$$u_c:v_c \in {}_{\mathbb{C}}\tilde{Z} \xrightarrow[\text{hol}]{\tilde{Z}^{\mathbb{C}}} \tilde{X}^{\mathbb{C}} \ni u_c + \tilde{u}_c^* - 2v_c \tilde{v}_c^*$$

$${}_{u_c:v_c} \tilde{Z}_{\lambda r}^{\mathbb{C}} = u_c + \tilde{u}_c^* - 2v_c \tilde{v}_c^* \tilde{X}_{\varrho + \lambda r_c}^{\mathbb{C}}$$

$$\text{but } {}_{u_c:v_c} \tilde{Z}_{\lambda_c}^{\mathbb{C}} = u_c + u_c^* - 2v_c \tilde{v}_c^* \tilde{X}_{\lambda_c}^{\mathbb{C}}$$

$\lambda_c$  non even