

$$Z_{\mathbb{C}} \subset Z_{\lambda_{\mathbb{C}}} = G_{\mathbb{C}}^*/K_{\mathbb{C}}$$

$$Z_{\mathbb{R}} \subset Z_{\lambda_{\mathbb{R}}} = G_{\mathbb{R}}^*/K_{\mathbb{R}}$$

$$H_{\nu}^2(Z_{\lambda_{\mathbb{C}}}) \cong {}_z Z_{-w}^{\nu}$$

$$H_{\nu}^2(Z_{\lambda_{\mathbb{C}}})$$

$$\begin{array}{c} \uparrow \\ \varrho^{\nu} \\ \downarrow \\ \varrho^{\nu} \end{array}$$

$$K_{\mathbb{R}} \curvearrowright Z_{\lambda_{\mathbb{R}}}^2 \triangleleft \mathbb{C}$$

$$\zeta \overline{\varrho^{\nu} \psi} = \zeta Z_{-\zeta}^{\nu/2} \zeta \psi$$

$$Z_{\lambda_{\mathbb{R}}}^2 \triangleleft \mathbb{C} = \sum_{\mu} \mathcal{P}^{\mu} | Z_{\mathbb{R}}$$

$$K_{\mathbb{R}} \curvearrowright Z_{\lambda_{\mathbb{R}}}^2 \triangleleft \mathbb{C} = \sum_{\mu} \zeta Z_{\lambda_{\mathbb{R}}}^{\mu}$$

$${}_0 Z_{\lambda_{\mathbb{R}}}^{\mu} = 1$$

$$\varrho^{\nu} \varrho^{\nu} \zeta Z_{\lambda_{\mathbb{R}}}^{\mu} = \beta_{\mu} \zeta Z_{\lambda_{\mathbb{R}}}^{\mu}$$

$$\beta_{\mu} = \underbrace{\varrho^{\nu} \varrho^{\nu} \zeta Z_{\lambda_{\mathbb{R}}}^{\mu}}_0 = \int_{d\zeta} {}^0 B_{\zeta}^{\nu} \zeta Z_{\lambda_{\mathbb{R}}}^{\mu} = {}_0 \bar{B}_{\mu}^{\nu} \text{ spherical transform}$$