

$$\nu > p - 1$$

$${}_{\mathbb{Z}_0}^2 \Delta_w^{\mathbb{C}} \mathcal{K} = \frac{\psi \in {}_{\mathbb{Z}_0}^2 \Delta_w^{\mathbb{C}}}{\Gamma_{\nu - d/r}^{\nu} \int_{dw/\pi^d}^{\mathbb{Z}_0} {}^w \mathcal{Z}_w^{\nu - p} \psi < +\infty}$$

$${}_{\mathbb{Z}_0}^2 \Delta_w^{\mathbb{C}} \mathcal{K} \ni {}^w \mathcal{K} = {}^w \mathcal{Z}_w^{-\nu}$$