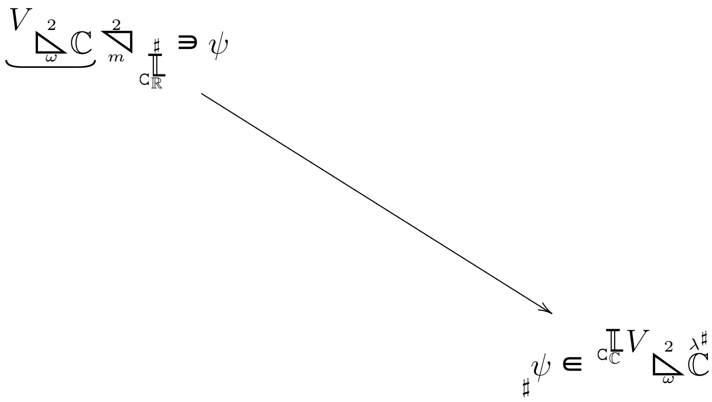

$$ {}^{u:v}_{\sharp}\psi = {}^{u}\mathfrak{e}_{\xi}^{-1}\; {}^{v}\psi_{\xi} \int_{\mathbb{C}\mathbb{R}^{\sharp}}^{d\xi} $$

$$ {}^{u}_{\sharp}\iota = {}^{u}\mathfrak{e}_{\xi}^{-1}\; {}^{v}\iota_{\xi} \int_{\mathbb{C}\mathbb{R}^{\sharp}}^{d\xi} $$

$$\int_{dz/\pi^d}^{\mathbb{C}^{\mathbb{T}}\, V} u + u^* - v\Phi v_{\mathbb{C}\mathbb{R}}^{\mathbb{T}}\, \nu - 2d_1/r - d_2/r \; \overline{{}^{z}\psi_{\sharp}}^{\,2} \;=\; \int_{dv/\pi^{d_2}}^{V} v\Phi v\, \mathfrak{e}_\xi^{-1} \; \overline{{}^{v}\psi_{\xi}}^{\,2} \; \frac{\Gamma^{\nu - d/r}}{\mathbb{T}_{\mathbb{C}\mathbb{R}\,\xi}^{\nu^\sharp - d^\sharp/r}}$$

$$\mathrm{LHS} \;=\; 2^{d_1} \int_{dx/2\pi^{d_1}} \int_{dy}^{iX} \int_{dv/\pi^{d_2}} 2x - v\Phi v_{\mathbb{C}\mathbb{R}}^{\mathbb{T}}\, \nu - 2d_1/r - d_2/r \; \overline{x + y\, \mathfrak{e}_\xi^{-1}\, {}^{v}\psi_{\xi} \int_{\mathbb{C}\mathbb{R}^{\mathbb{T}\sharp}}^{d\xi}}^{\,2} \;=$$

$$2^{d_1} \int_{dx/(2\pi)^{d_1}} \int_{dy}^{iX} \int_{dv/\pi^{d_2}} 2x - v\Phi v_{\mathbb{C}\mathbb{R}}^{\mathbb{T}}\, \nu - 2d_1/r - d_2/r \;\; x - y\, \mathfrak{e}_{\xi_1}^{-1}\, {}^{v}\bar{\psi}_{\xi_1} \int_{\mathbb{C}\mathbb{R}^{\mathbb{T}\sharp}}^{d\xi_1} x + y\, \mathfrak{e}_{\xi_2}^{-1}\, {}^{v}\psi_{\xi_2} \int_{\mathbb{C}\mathbb{R}^{\mathbb{T}\sharp}}^{d\xi_2}$$

$$=\; 2^{d_1} \int_{dx} \int_{dv/\pi^{d_2}} 2x - v\Phi v_{\mathbb{C}\mathbb{R}}^{\mathbb{T}}\, \nu - 2d_1/r - d_2/r \;\; 2x\, \mathfrak{e}_\xi^{-1} \; \overline{{}^{v}\psi_{\xi}}^{\,2} \int_{\mathbb{C}\mathbb{R}^{\mathbb{T}\sharp}}^{d\xi}$$

$$=\; \int_{dv/\pi^{d_2}} v\Phi v\, \mathfrak{e}_\xi^{-1} \; \overline{{}^{v}\psi_{\xi}}^{\,2} \; 2^{d_1} \int_{dx} 2x - v\Phi v_{\mathbb{C}\mathbb{R}}^{\mathbb{T}}\, \nu - 2d_1/r - d_2/r \;\; 2x - v\Phi v\, \mathfrak{e}_\xi^{-1} \int_{\mathbb{C}\mathbb{R}^{\mathbb{T}\sharp}}^{d\xi}$$

$$=\; \int_{dx}^{\sqrt{X}} \overline{{}^{v}\psi_{\xi}}^{\,2}\, d \int_{dv/\pi^{d_2}}^{V} v\Phi v\, \mathfrak{e}_\xi^{-1}\; \acute{x}\; {}^{\acute{x}}\mathbb{T}_{\mathbb{C}\mathbb{R}}\, \nu - 2d_1/r - d_2/r \;\; \acute{x}\, \mathfrak{e}_\xi^{-1} \int_{\mathbb{C}\mathbb{R}^{\mathbb{T}\sharp}}^{d\xi} \;=\; \mathrm{RHS}$$