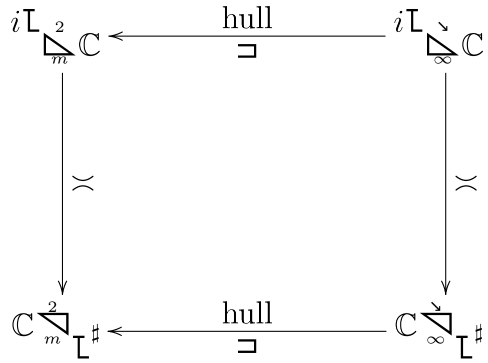
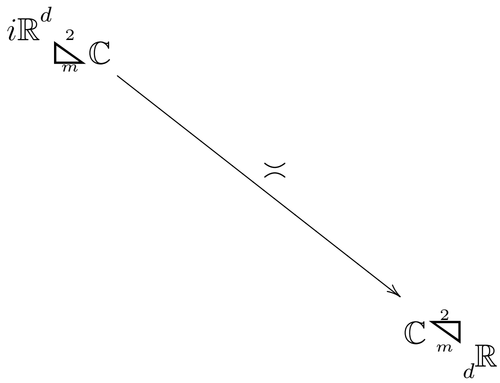


$$\Upsilon^{\sharp}_{\xi} = \int_{dx/(2\pi)^d}^{L} e^{-ix\xi}\; {}^{ix}\!\Upsilon = e^{|\xi} \,\Upsilon = \underbrace{\Upsilon^{iX}}_{\xi}$$

$$\Upsilon = \underset{\sharp}{\smile}\Upsilon^{\sharp}$$

$${}^{ix}\Upsilon = e^{ix\xi}\, \Upsilon^{\sharp}_{\xi} \int_{d\xi}^{L^{\sharp}} = {}^{ix}_{\sharp}\Upsilon^{\sharp}$$



$$\Upsilon^{\sharp} = \int_{dL/(2\pi)^d}^{\mathbb{R}^d} e^{-iL\cdot\,iL}\,\Upsilon$$

$$\Upsilon^{\sharp}_{\xi} = \int_{dix/(2\pi i)^d}^{i\mathbb{R}^d} e^{-ix\xi}\; {}^{ix}\Upsilon = \int_{dx/(2\pi)^d}^{\mathbb{R}^d} e^{-ix\xi}\; {}^{ix}\Upsilon$$

$$\daleth = \underset{\sharp}{\underbrace{\daleth^{\sharp}}}$$

$$^{i\llcorner^{\cdot}}\daleth = \daleth^{\sharp}_{\cdot\daleth}\, e^{i\llcorner^{\cdot}\cdot\daleth} \int\limits_{d\cdot\daleth}^{d\mathbb{R}} = {}^{i\llcorner^{\cdot}}\underset{\sharp}{\underbrace{\daleth^{\sharp}}}$$

$$^{x}\delta_{y} = \frac{1}{(2\pi)^{d}}\, {}^{x-y}\mathfrak{e}^{i}_{\xi} \int\limits_{d\mathbb{R}}^{d\xi}$$

$$^{\sharp}\daleth_{\xi} = \frac{1}{(2\pi)^{d}} \int\limits_{dx}^{\mathbb{R}^{d}} {}^{x}\mathfrak{e}^{-i}_{\xi}\, {}^{x}\daleth$$

$$^{x}\gimel_{\sharp} = {}^{x}\mathfrak{e}^{i}_{\xi}\, \gimel_{\xi} \int\limits_{d\mathbb{R}}^{d\xi}$$

$$^{x}\daleth = \underset{\sharp}{\overbrace{^{x}\,{}^{\sharp}\daleth}} = {}^{x}\mathfrak{e}^{i}_{\xi}\, {}^{\sharp}\daleth_{\xi} \int\limits_{d\mathbb{R}}^{d\xi} = {}^{x}\mathfrak{e}^{i}_{\xi} \frac{1}{(2\pi)^{d}} \int\limits_{dy}^{\mathbb{R}^{d}} {}^{y}\mathfrak{e}^{-i}_{\xi}\, {}^{y}\daleth \int\limits_{d\mathbb{R}}^{d\xi} = \frac{1}{(2\pi)^{d}} \int\limits_{dy}^{\mathbb{R}^{d}} {}^{x-y}\mathfrak{e}^{i}_{\xi}\, {}^{y}\daleth \int\limits_{d\mathbb{R}}^{d\xi}$$

$$^{z}\delta_{w} = \frac{1}{\pi^{2d}}\, {}^{z}\mathfrak{e}_{\zeta}\, {}^{w}\mathfrak{e}^{-1}_{\zeta}\, {}^{\zeta}\mathfrak{e}^{-1}_{z}\, {}^{\zeta}\mathfrak{e}_{w} \int\limits_{d\mathbb{C}}^{d\zeta}$$

$$(2\pi)^{2d}\, {}^{z}\delta_{w} = {}^{z-w}\mathfrak{e}^{i/2}_{\zeta}\, {}^{\zeta}\mathfrak{e}^{i/2}_{z-w} \int\limits_{d\mathbb{C}}^{d\zeta} = {}^{z-w}\mathfrak{e}^{i/2}_{\zeta}\, {}^{\zeta}\mathfrak{e}^{-i/2}_{w-z} \int\limits_{d\mathbb{C}}^{d\zeta} \underset{\zeta' = -i\zeta/2}{=} {}^{z-w}\mathfrak{e}_{\zeta}\, {}^{\zeta}\mathfrak{e}_{w-z} \int\limits_{d\mathbb{C}}^{d\zeta} 2^{2d} = {}^{z}\mathfrak{e}_{\zeta}\, {}^{w}\mathfrak{e}^{-1}_{\zeta}\, {}^{\zeta}\mathfrak{e}_{w}\, {}^{\zeta}\mathfrak{e}^{-1}_{z} \int\limits_{d\mathbb{C}}^{d\zeta} 2^{2d}$$