$$\mathbb{C}^{\triangledown^2_\omega}\mathbb{C} = \frac{J \in \mathbb{C}^{\triangledown_\omega}\mathbb{C}}{J \overset{\star}{\underset{v}{}} J < +\infty}$$

$$\underbrace{S_x J}_{z} = {}_{z+x}J$$

$$\underbrace{T_\xi J}_{z} = \exp\left(\pi i \xi^2 \tau + 2\pi i \xi z\right) {}_{z+\xi\tau}J$$

$$S_x S_y = S_{x+y}$$

$$T_\xi T_\eta = T_{\xi+\eta}$$

$$S_x T_\xi = \exp\left(2\pi i x \xi\right) T_\xi S_x$$

$$\mathbb{T}\times\mathbb{R}\times\mathbb{R} \ni \lambda{:}\dashv{:}\vdash$$

$$\underbrace{1{:}\dashv{:}\vdash}\ \underbrace{1{:}\dashv{:}\vdash} = {}^{2\pi i \vdash \dashv}\mathfrak{e}{:}\dashv + \dashv{:}\vdash + \vdash$$

$$\mathbb{C}^{\triangledown_\omega}\mathbb{C} \xleftarrow[\text{hom}]{} \underbrace{\mathbb{T}\times\mathbb{R}\times\mathbb{R}} \ltimes \mathbb{C}^{\triangledown_\omega}\mathbb{C}$$

$$J \in \mathbb{C}^{\triangledown_\omega}\mathbb{C}$$

$$\underbrace{\overbrace{1{:}\dashv{:}\vdash} \ltimes J}_{\Gamma} = {}^{\pi i \dashv \tau \dashv + 2\pi i \Gamma \dashv}\mathfrak{e}\ {}_{\Gamma + \dashv\tau + \vdash}J$$

$$\underbrace{\dashv \ltimes J}_{\Gamma} = {}^{\pi i \dashv \tau \dashv + 2\pi i \Gamma \dashv}\mathfrak{e}\ {}_{\Gamma + \dashv\tau}J$$

$$\underbrace{\vdash \ltimes J}_{\Gamma} = {}_{\Gamma + \vdash}J$$

$$\underbrace{\vdash\ltimes}\ \underbrace{\dashv\ltimes} = {}^{2\pi i \vdash \dashv}\mathfrak{e}\ \underbrace{\dashv\ltimes}\ \underbrace{\vdash\ltimes}$$

$$\tau = u + iv$$

$$J \underset{v}{\star} \mathsf{t} = \int_{dxdy}^{\mathbb{C}} {}^{-2\pi \Gamma \bar{v}^{1} \bar{\Gamma}}\mathfrak{e}\ {}_{\Gamma}\bar{J}\ {}_{\Gamma}\mathsf{t}$$

$$\mathbb{C}^{\triangledown^2_\omega}\mathbb{C} \xleftarrow[\text{unit}]{\text{hom}} \underbrace{\mathbb{T}\times\mathbb{R}\times\mathbb{R}} \ltimes \mathbb{C}^{\triangledown^2_\omega}\mathbb{C}$$

$$\mathbb{T}\times\mathbb{R}\times\mathbb{R} \xrightarrow[\text{hom}]{} \mho|_{\mathbb{R}} \triangledown^{2}\mathbb{C}$$

$$_{\mathbb{R}}\triangledown^{2}\mathbb{C} \leftarrow \underbrace{\mathbb{T}\times\mathbb{R}\times\mathbb{R}} \ltimes {}_{\mathbb{R}}\triangledown^{2}\mathbb{C}$$

$$_{x}\underbrace{\overbrace{1:\lrcorner:\ulcorner} \ltimes \mathsf{J}} = {}^{2\pi i x \lrcorner}\mathfrak{e}_{x+\ulcorner}\mathsf{J}$$