$$\mathbb{R}/2\pi\mathbb{Z} \underset{0}{\triangleright} \mathbb{K} \ni \daleth \text{ diff in } x \in -\pi|\pi: \quad \text{stw stet} \Rightarrow {}^x\overline{\mathcal{D}_n \ltimes \daleth} \rightsquigarrow {}^x\daleth$$

$${}^t\daleth_x = \frac{{}^{x+t}\daleth + {}^{x-t}\daleth}{2} - {}^x\daleth \text{ stw t-stet}$$

$$2\frac{{}^t\daleth_x}{t} = \frac{{}^{x+t}\daleth + {}^{x-t}\daleth - 2{}^x\daleth}{t} = \frac{{}^{x+t}\daleth - {}^x\daleth}{t} - {}^x\underline{\daleth} - \left(\frac{{}^{x-t}\daleth - {}^x\daleth}{-t} - {}^x\underline{\daleth}\right) \rightsquigarrow 0 \Rightarrow \frac{{}^t\daleth_x}{t} \text{ stw stet in } t \in \mathbb{R}$$

$$\frac{1}{\sin x} - \frac{1}{x} = \frac{x - \sin x}{x \sin x} \asymp \frac{\partial_x(x - \sin x)}{\partial_x(x \sin x)} = \frac{1 - \cos x}{\sin x + x\cos x} \asymp \frac{\partial_x(1-\cos x)}{\partial_x(\sin x + x \cos x)} = \frac{\sin x}{2\cos - x \sin x} \rightsquigarrow 0$$

$$\frac{1}{\sin t/2} - \frac{2}{t} \text{ stet iuf } -2\pi \underset{\pi}{|} \Rightarrow \frac{{}^t\daleth_x}{\sin t/2} = \left(\frac{1}{\sin t/2} - \frac{2}{t}\right){}^t\daleth_x + 2\frac{{}^t\daleth_x}{t} \text{ stw stet iuf } -\pi|\pi$$

$${}^x\overline{\mathcal{D}_n \ltimes \daleth} - {}^x\daleth = \int_{dt/\pi}^{0|\pi} {}^t\mathcal{D}_n\,{}^t\daleth_x = \int_{dt/\pi}^{0|\pi} \frac{{}^t\daleth_x}{\sin t/2}\sin t\,(n+1/2) \underset{\text{Riemalb}}{\rightsquigarrow} 0$$

$$\mathbb{R} \xrightarrow[\text{stw stet per}]{\daleth} \mathbb{K}: \quad x \in -\pi|\pi \Rightarrow \bigvee {}^{x \geqslant \text{-}}\daleth = \lim {}^{x \geqslant \text{-}t}\daleth \Rightarrow {}^x\overline{\mathcal{F}_n \ltimes \daleth} \rightsquigarrow \frac{{}^{x+}\daleth + {}^{x-}\daleth}{2}$$

$${}^t\daleth_x = \frac{{}^{x+t}\daleth + {}^{x-t}\daleth}{2} - \frac{{}^{x+}\daleth + {}^{x-}\daleth}{2} = \frac{{}^{x+t}\daleth - {}^{x+}\daleth}{2} + \frac{{}^{x-t}\daleth - {}^{x-}\daleth}{2}$$

$$\Rightarrow \lim {}^t\daleth_x = 0 \Rightarrow \bigwedge_{\varepsilon > 0} \bigvee_{0 < \delta < \pi} \bigwedge_{0 \leqslant t \leqslant \delta} |{}^t\daleth_x| \leqslant \varepsilon \Rightarrow \bigvee m \geqslant \frac{1}{2\varepsilon(\sin\delta/2)^2} \int_{dt/\pi}^{0|\pi} \overline{{}^t\daleth_x}$$

$$\Rightarrow \bigwedge_{n \geqslant m} \overline{{}^x\overline{\mathcal{F}_n \ltimes \daleth} - \frac{{}^{x+}\daleth + {}^{x-}\daleth}{2}} = \overline{\int_{dt/\pi}^{0|\pi} {}^t\mathcal{F}_n\,{}^t\daleth_x} \leqslant \int_{dt/\pi} {}^t\mathcal{F}_n\,\overline{{}^t\daleth_x}$$

$$= \int_{dt/\pi}^{0|\delta} {}^t\mathcal{F}_n\,\overline{{}^t\daleth_x} + \int_{dt/\pi}^{\delta|\pi} {}^t\mathcal{F}_n\,\overline{{}^t\daleth_x} \leqslant \varepsilon \int_{dt/\pi}^{0|\pi} {}^t\mathcal{F}_n + \frac{1}{2n(\sin\delta/2)^2}\int_{dt/\pi}^{0|\pi} \overline{{}^t\daleth_x} \leqslant 2\varepsilon$$

$$\text{ɿ} \text{ stet in } x \Longrightarrow {}^{x}\overbrace{\mathcal{F}_n \ltimes \text{ɿ}} \leadsto {}^{x}\text{ɿ}$$

$${}^{x+}\text{ɿ} = {}^{x}\text{ɿ} = {}^{x-}\text{ɿ}$$

$$\mathbb{R} \xrightarrow[\text{per}]{\text{ɿ}} \mathbb{K}\colon \quad {}^{t}\text{ɿ}_{x} = \frac{{}^{x+t}\text{ɿ} + {}^{x-t}\text{ɿ} - 2c}{2}$$

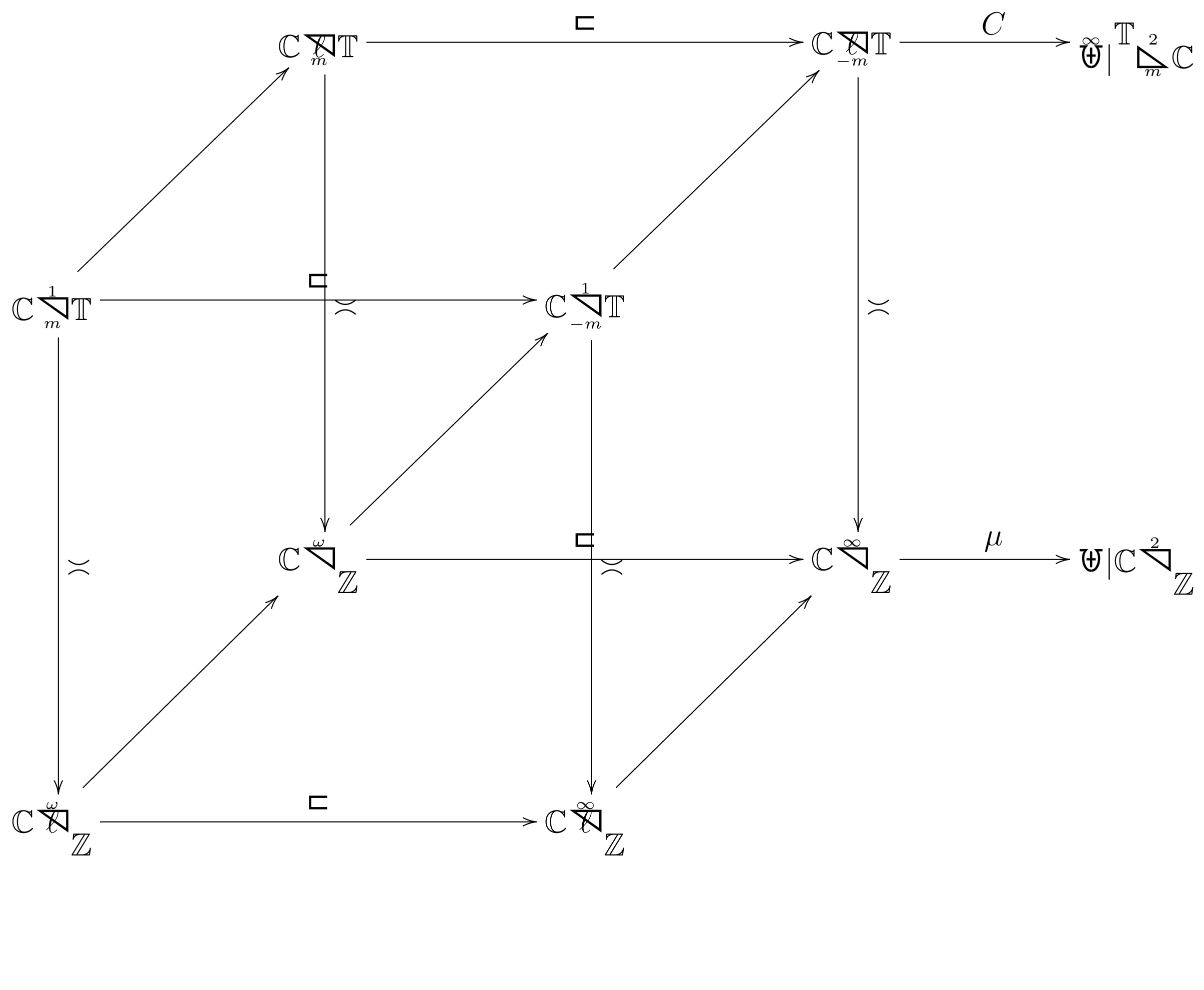
$$\mathcal{K} \in {}^{\mathbb{R}/2\pi\mathbb{Z}}\underset{0}{\triangle}\mathbb{K} \text{ per unital even } {}^{t}\mathcal{K} = {}^{-t}\mathcal{K}$$

$$^{x}\overbrace{\mathcal{K} \ltimes \daleth} - c = \int_{dt/\pi}^{0|\pi} {}^{t}\mathcal{K}\, {}^{t}\daleth_{x}$$

$$^{x}\overbrace{\mathcal{K} \ltimes \daleth} - c = \int_{dy/2\pi}^{-\pi|\pi} {}^{x-y}\mathcal{K}\, {}^{y}\daleth - c = \int_{dt/2\pi}^{x-\pi|x+\pi} {}^{t}\mathcal{K}\, {}^{x-t}\daleth - c = \int_{dt/2\pi}^{-\pi|\pi} {}^{t}\mathcal{K}\, {}^{x-t}\daleth - \int_{dt/2\pi}^{-\pi|\pi} {}^{t}\mathcal{K}\, c$$

$$= \int_{dt/2\pi}^{-\pi|\pi} {}^{t}\mathcal{K}\, \underbrace{{}^{x-t}\daleth - c} = \int_{dt/2\pi}^{-\pi|0} {}^{t}\mathcal{K}\, \underbrace{{}^{x-t}\daleth - c} + \int_{dt/2\pi}^{0|\pi} {}^{t}\mathcal{K}\, \underbrace{{}^{x-t}\daleth - c} =$$

$$\int_{dt/2\pi}^{0|\pi} {}^{-t}\mathcal{K}\, \underbrace{{}^{x+t}\daleth - c} + \int_{dt/2\pi}^{0|\pi} {}^{t}\mathcal{K}\, \underbrace{{}^{x-t}\daleth - c} = \int_{dt/2\pi}^{0|\pi} {}^{t}\mathcal{K}\, \underbrace{{}^{x+t}\daleth + {}^{x-t}\daleth - 2c} = \int_{dt/\pi}^{0|\pi} {}^{t}\mathcal{K}\, \frac{{}^{x+t}\daleth + {}^{x-t}\daleth - 2c}{2}$$



$$u^{\sharp}_{\alpha} = \int_{u\,(ds)}^{\mathbb{T}} \bar{s}^{\alpha} = \int_{ds}^{\mathbb{T}} {}^{s}u \; \bar{s}^{\alpha}$$

$$\overbrace{u \overset{1}{\times} \acute{u}}^{\sharp} = \acute{u}^{\sharp}\, u^{\sharp}$$

$$\begin{array}{ccccc}
\mathbb{C} \underset{m}{\boxtimes} \mathbb{T} & \xrightarrow{\sqsubset} & \mathbb{C} \underset{\bullet}{\boxtimes} \mathbb{T} & \xrightarrow{\sqsubset} & \mathbb{C} \underset{-m}{\boxtimes} \mathbb{T} \\
\downarrow \asymp & & \downarrow \asymp & & \downarrow \asymp \\
\mathbb{C} \overset{\omega}{\triangleleft}_{\mathbb{Z}} & \xrightarrow{\sqsubset} & \mathbb{C} \overset{\bullet}{\triangleleft}_{\mathbb{Z}} & \xrightarrow{\sqsubset} & \mathbb{C} \overset{\infty}{\triangleleft}_{\mathbb{Z}}
\end{array}$$

$$\overbrace{{}_{\sharp}\varphi E}^{\sharp}{}_{\alpha} = \int_{ds}^{\mathbb{T}} {}^{s}_{\sharp}\varphi \; {}^{s}E \; \bar{s}_{\alpha}$$

$$0 \backsim \begin{cases}
\overline{\int_{dt}^{a|b} {}^{tn}\cos} & = \dfrac{\overline{{}^{nb}\sin - {}^{na}\sin}}{n} \leqslant \dfrac{2}{n} \\
\overline{\int_{dt}^{a|b} {}^{tn}\sin} & = \dfrac{\overline{{}^{na}\cos - {}^{nb}\cos}}{n} \leqslant \dfrac{2}{n} \\
\overline{\int_{dt}^{a|b} {}^{itn}e} & = \dfrac{\overline{{}^{ibn}e - {}^{ian}e}}{in} = \dfrac{\overline{{}^{ibn}e - {}^{ian}e}}{|in|} \leqslant \dfrac{2}{n}
\end{cases}$$

$$\mathbb{R} \supset \hbar \xrightarrow[\text{stw stet}]{\mathfrak{f}} \mathbb{R} \Rightarrow 0 \backsim \begin{cases} \int_{dt}^{\hbar} {}^t\mathfrak{f}^{itn} e \\ \int_{dt}^{\hbar} {}^t\mathfrak{f}^{tn} \cos \\ \int_{dt}^{\hbar} {}^t\mathfrak{f}^{tn} \sin \end{cases}$$

$$\bigwedge_{\varepsilon > 0} \bigvee_{\text{step fct}} \varphi = \sum_{I \in \mathcal{J}} c_I \, \chi_I \ \text{iuf} \ \hbar \curlyvee \hbar \overline{\mathfrak{f} - \varphi} \leqslant \varepsilon$$

$$\int_{dt}^{\hbar} {}^t\varphi \, {}^{itn}e = \sum_{I \in \mathcal{J}} c_I \int_{dt}^{\hbar} {}^{itn}e \rightsquigarrow 0 \Rightarrow \bigvee_{m} \bigwedge_{n \geqslant m} \overline{\int_{dt}^{\hbar} {}^t\varphi^{itn} e} \leqslant \varepsilon$$

$$\overline{\int_{dt}^{\hbar} \underbrace{{}^t\mathfrak{f} - {}^t\varphi}^{itn} e} \leqslant \int_{dt}^{\hbar} \overline{{}^t\mathfrak{f} - {}^t\varphi} \, \overline{{}^{itn}e} \leqslant \varepsilon \int_{dt}^{\hbar} = \varepsilon |\hbar|$$

$$\overline{\int_{dt}^{\hbar} {}^t\mathfrak{f}^{itn} e} = \overline{\int_{dt}^{\hbar} \underbrace{{}^t\mathfrak{f} - {}^t\varphi}^{itn} e + \int_{dt}^{\hbar} {}^t\varphi^{itn} e} \leqslant \overline{\int_{dt}^{\hbar} \underbrace{{}^t\mathfrak{f} - {}^t\varphi}^{itn} e} + \overline{\int_{dt}^{\hbar} \underbrace{{}^t\mathfrak{f} - {}^t\varphi}^{itn} e} \leqslant \varepsilon \underbrace{1 + |\hbar|}$$