$$C = \begin{cases} \blacktriangle \\ \square \end{cases} \int\limits_{dw}^{\partial C} {}^{w}\daleth = 0$$

$$C = C_0 = \bigcup_{j \in 4} C^j \ \text{congr} \ \Rightarrow \int\limits_{dw}^{\partial C} {}^{w}\daleth = \sum_j \int\limits_{dw}^{\partial C^j} {}^{w}\daleth$$

$$\Rightarrow \bigvee C_1 \in \left\{ C^j \right\} \begin{cases} 4 \overline{\int\limits_{dw}^{\partial C} {}^{w}\daleth} \geqslant \overline{\int\limits_{dw}^{\partial C} {}^{w}\daleth} \\ 2|\partial C_1| = |\partial C| \end{cases} \quad \Rightarrow \bigvee_{\text{Folge}} C_n \supset C_{n+1} \begin{cases} 4 \overline{\int\limits_{dw}^{\partial C_{n+1}} {}^{w}\daleth} \geqslant \overline{\int\limits_{dw}^{\partial C_n} {}^{w}\daleth} \\ 2|\partial C_{n+1}| = |\partial C_n| \end{cases}$$

$$\text{cpt} \ C_n \searrow\!\rightarrow \bigvee z \in \bigcap_n C_n \subset \hbar$$

$$\bigvee \hbar \xrightarrow[\text{stet}]{g} \mathbb{C} \begin{cases} {}^{z}g = 0 \\ {}^{z}\daleth - {}^{w}\daleth - \underbrace{w - z}\,{}^{z}\underline{\daleth} = \underbrace{w - z}\,{}^{w}g \end{cases} \quad \Rightarrow \bigwedge_{\varepsilon > 0} \bigvee_{n}^{\mathbb{N}} {}^{C_n}\overline{\dot{g}} \leqslant \varepsilon \Rightarrow$$

$$dw \underbrace{{}^{z}\daleth - \overbrace{w - z}\,{}^{z}\underline{\daleth}} = d\, \underbrace{w \overbrace{{}^{z}\daleth + z\,{}^{z}\underline{\daleth}} - w^2 \underline{\daleth}/2} \ \text{int} \ \Rightarrow \int\limits_{dw}^{\partial C_n} w \underbrace{{}^{z}\daleth - \overbrace{w - z}\,{}^{z}\underline{\daleth}} = 0$$

$$\overline{\int\limits_{dw}^{\partial C} {}^{w}\daleth} \leqslant 4^n \overline{\int\limits_{dw}^{\partial C_n} {}^{w}\daleth} = 4^n \overline{\int\limits_{dw}^{\partial C_n} \underbrace{{}^{z}\daleth - \overbrace{w - z}\,{}^{z}\underline{\daleth}} + \int\limits_{dw}^{\partial C_n} \underbrace{w - z}\,{}^{w}g}$$

$$= 4^n \overline{\int\limits_{dw}^{\partial C_n} \underbrace{w - z}\,{}^{w}g} \leqslant 4^n |\partial C_n|^{\partial C_n} \overline{\underbrace{w - z}\,{}^{w}\dot{g}} \leqslant 4^n |\partial C_n| \frac{|\partial C_n|}{2} \varepsilon = 4^n \frac{|\partial C|}{2^n} \frac{|\partial C|}{2^{n+1}} \varepsilon = |\overset{2}{\partial C}| \frac{\varepsilon}{2} \rightsquigarrow 0$$

$$\int_{dw}^{\partial \blacktriangle_n} {}^{w}\daleth = \int_{dw}^{a|b} {}^{w}\daleth + \int_{dw}^{b|\, b_n} {}^{w}\daleth + \int_{dw}^{b_n\, |a} {}^{w}\daleth = \int_{dw}^{a|b} {}^{w}\daleth - \int_{dw}^{a|\, b_n} {}^{w}\daleth + \int_{dw}^{b|\, b_n} {}^{w}\daleth \rightsquigarrow 0$$

$$\partial \blacktriangle = \partial \blacktriangle_n \cup \partial \acute{\blacktriangle}_n \Rightarrow \int_{dw}^{\partial \blacktriangle} {}^{w}\daleth = \int_{dw}^{\partial \blacktriangle_n} {}^{w}\daleth + \int_{dw}^{\partial \acute{\blacktriangle}_n} {}^{w}\daleth \rightsquigarrow 0 \Rightarrow \int_{dw}^{\partial \blacktriangle} {}^{w}\daleth = 0$$

$$\partial \blacktriangle = \partial \acute{\blacktriangle} \cup \partial \acute{\acute{\blacktriangle}} \Rightarrow \int_{dw}^{\partial \blacktriangle} {}^{w}\daleth = \int_{dw}^{\partial \acute{\blacktriangle}} {}^{w}\daleth + \int_{dw}^{\partial \acute{\acute{\blacktriangle}}} {}^{w}\daleth = 0$$

$$\partial \blacktriangle = \partial \blacktriangle_1 \cup \partial \blacktriangle_2 \cup \partial \blacktriangle_3 \Rightarrow \int_{dw}^{\partial \blacktriangle} {}^{w}\daleth = \int_{dw}^{\partial \blacktriangle_1} {}^{w}\daleth + \int_{dw}^{\partial \blacktriangle_2} {}^{w}\daleth + \int_{dw}^{\partial \blacktriangle_3} {}^{w}\daleth = 0$$

$${}^{t}\gamma = e^{it}$$

$${}^{t}\eta = 1 + \frac{t}{a}\left(e^{ia} - 1\right)$$

$$0 \leqslant t \leqslant a$$

$$\frac{{}^{t}\underline{\gamma} - {}^{t}\underline{\eta}}{i} = e^{it} - \frac{e^{ia} - 1}{ia} = e^{it} - e^{ia/2}\,\frac{e^{ia/2} - e^{-ia/2}}{2i}\,\frac{2}{a} = e^{it} - e^{ia/2}\sin\left(a/2\right)\frac{2}{a}$$

$$h\left(x\right) = \frac{{}^{x}\mathfrak{s}}{x}$$

$$0 \leqslant x \leqslant \pi$$

$$h\left(0\right) = 1$$

$$h\left(\pi\right) = 0$$

$$h'\left(x\right) = \frac{x\,{}^{x}\mathfrak{c} - {}^{x}\mathfrak{s}}{x^2} = \frac{{}^{x}\mathfrak{c}}{x^2}\left(x - {}^{x}\mathfrak{t}\right) \leqslant 0 \Rightarrow 0 \leqslant h\left(x\right) \leqslant 1$$

$$\overline{{}^{t}\underline{\gamma} - {}^{t}\underline{\eta}} = \overline{e^{it} - e^{ia/2}h\left(\frac{a}{2}\right)} \leqslant \overline{e^{ia} - e^{ia/2}h\left(\frac{a}{2}\right)} = \overline{e^{ia/2} - h\left(\frac{a}{2}\right)} \leqslant \varepsilon \text{ if } a \leqslant a_0$$

$$e^{ix} - h\left(x\right) = {}^{x}\mathfrak{c} - \frac{{}^{x}\mathfrak{s}}{x} + i\,{}^{x}\mathfrak{s} = \sum_{0 \leqslant m} \frac{\left(-1\right)^m}{(2m)!}\,x^{2m}\left(1 - \frac{1}{2m+1}\right) + i\,{}^{x}\mathfrak{s} = \sum_{0 \leqslant m} \frac{\left(-1\right)^m}{(2m)!}\,x^{2m}\,\frac{2m}{2m+1} + i\,{}^{x}\mathfrak{s}$$

$$\ulcorner {}^t\gamma - {}^t\eta \urcorner^2 \leqslant (1 - {}^a\mathfrak{c})^2 + ({}^a\mathfrak{s})^2 = 2(1 - {}^a\mathfrak{c}) \leqslant \varepsilon \text{ if } a \leqslant a_0$$

$$\ulcorner \int_{dt}^{0|a} f({}^t\gamma)\, {}^t\underline{\gamma} - \int_{dt}^{0|a} f({}^t\eta)\, {}^t\underline{\eta} \urcorner = \ulcorner \int_{dt}^{0|a} (f({}^t\gamma) - f({}^t\eta))\, {}^t\underline{\gamma} + f({}^t\eta)\left({}^t\underline{\gamma} - {}^t\underline{\eta}\right) \urcorner$$

$$\leqslant \int_{dt}^{0|a} \ulcorner f({}^t\gamma) - f({}^t\eta) \urcorner \ulcorner {}^t\underline{\gamma} \urcorner + \int_{dt}^{0|a} \ulcorner f({}^t\eta) \urcorner \ulcorner {}^t\underline{\gamma} - {}^t\underline{\eta} \urcorner \leqslant a2\varepsilon$$