$$\mathbb{R}^n \supset \hbar \xrightarrow[\text{stet diffeo}]{\varphi} \hbar' \subset \mathbb{R}^n \Rightarrow \bigwedge_{\lambda}^{\acute{\hbar}\,\mathbb{K}} \int_{dy}^{\hbar'} {}^{y}\lambda = \int_{dx}^{\hbar} \overline{\det {}^{x}\underline{\varphi}}\; {}^{x\varphi}\lambda$$

$$\bigvee \mathbb{R}^n \supset U \supset \text{ Trg } \varphi\,\lambda$$

$$\underline{\varphi} \text{ u-stet on } \hat{U} \text{ cpt } \Rightarrow \bigwedge_{\varepsilon>0} \bigvee_{\delta>0} \bigwedge_{\acute{x}\in U} \overline{x-\acute{x}} \leqslant \delta \curvearrowright \overline{{}^{\acute{x}}\underline{\varphi} - {}^{x}\underline{\varphi}} \leqslant \varepsilon \bigvee_{o\in\hat{U}} \overline{{}^{o}\underline{\varphi}^{-1}}^{-1} \Rightarrow \overline{\underbrace{{}^{\acute{x}}\underline{\varphi} - {}^{x}\underline{\varphi}}\,{}^{o}\underline{\varphi}^{-1}} \leqslant \varepsilon$$

$${}^{\acute{x}}\varphi - {}^{x}\varphi = \underbrace{\acute{x}-x} \int_{dt}^{H} {}^{x+t\,(\acute{x}-x)}\underline{\varphi} - {}^{x}\underline{\varphi} = \underbrace{\acute{x}-x}\, \overbrace{{}^{o}\underline{\varphi} + \underbrace{{}^{x}\underline{\varphi} - {}^{o}\underline{\varphi}} + \int_{dt}^{H} \underbrace{{}^{x+t\,(\acute{x}-x)}\underline{\varphi} - {}^{x}\underline{\varphi}}}$$

$$\Rightarrow \overline{\underbrace{{}^{\acute{x}}\varphi - {}^{x}\varphi}\,{}^{o}\underline{\varphi}^{-1}} \leqslant \overline{\acute{x}-x}\; \overline{I + \underbrace{{}^{x}\underline{\varphi} - {}^{o}\underline{\varphi}}\,{}^{o}\underline{\varphi}^{-1} + \int_{dt}^{H} \underbrace{{}^{x+t\,(\acute{x}-x)}\underline{\varphi} - {}^{x}\underline{\varphi}}\,{}^{o}\underline{\varphi}^{-1}} \leqslant \overline{\acute{x}-x}\,\overbrace{1+2\varepsilon}$$

$$\bigvee U = \bigcup_i \square_i \text{ a-disj box}$$

$$\text{diam } \square_i \leqslant \delta \Rightarrow |\,(\square_i\,\varphi)\;\; {}^{o}\underline{\varphi}^{-1}\;| \leqslant |\square_i|\,\overbrace{1+2\varepsilon}^{n}$$

$${}^{\square_i\,\varphi}\dot{\lambda} \underset{\text{EWS}}{=} {}^{o_i\varphi}\lambda \Rightarrow \int^{\square_i\,\varphi} \lambda \leqslant |\square_i\,\varphi\,|\,{}^{\square_i\,\varphi}\dot{\lambda} = |\,(\square_i\,\varphi)\;\; {}^{o}\underline{\varphi}^{-1}\;|\,\overline{\det {}^{o_i}\underline{\varphi}}\,{}^{o_i\varphi}\lambda \leqslant |\square_i|\,\overbrace{1+2\varepsilon}^{n}\,\overline{\det {}^{o_i}\underline{\varphi}}\,{}^{o_i\varphi}\lambda$$

$$\Rightarrow \int^{\hbar} \lambda = \int^{U\,\varphi} \lambda \leqslant \sum_i \int^{\square_i\,\varphi} \lambda \leqslant \overbrace{1+2\varepsilon}^{n} \sum_i |\square_i|\,\overline{\det {}^{o_i}\underline{\varphi}}\,{}^{o_i\varphi}\lambda \rightsquigarrow \int_{dx}^{U} \overline{\det {}^{x}\underline{\varphi}}\,{}^{x\varphi}\lambda = \int_{dx}^{\hbar} \overline{\det {}^{x}\underline{\varphi}}\,{}^{x\varphi}\lambda$$

$$\Rightarrow \int_{dy}^{\hbar'} {}^{y}\lambda \leqslant \int_{dx}^{\hbar} \overline{\det {}^{x}\underline{\varphi}}\,{}^{x\varphi}\lambda \leqslant \int_{dy}^{\hbar'} \overline{\det {}^{y}\underline{\varphi}^{-1}}\,\overline{\det {}^{y\varphi^{-1}}\underline{\varphi}}\,{}^{y\varphi^{-1}\varphi}\lambda = \int_{dy}^{\hbar'} {}^{y}\lambda$$