

$$\left\{ \begin{array}{l} \mathfrak{h} \times \mathbb{I} \xrightarrow{\underline{\mathfrak{v}}} \mathbb{K} \\ \text{stet} \\ \bigwedge_t \mathfrak{h} \xrightarrow{\underline{\mathfrak{v}}^t} \mathbb{K} \\ \text{diff} \\ \mathfrak{h} \times \mathbb{I} \xrightarrow{\underline{\mathfrak{v}}} \mathbb{K} \\ \text{stet} \end{array} \right.$$

$$x_{\underline{\gamma}} = \int_{dt}^{\mathbb{I}} x_{\underline{\mathfrak{v}}^t} \Rightarrow \left\{ \begin{array}{l} \mathfrak{h} \xrightarrow{\underline{\gamma}} \mathbb{K} \\ \text{diff} \\ x_{\underline{\gamma}} = \int_{dt}^{\mathbb{I}} x_{\underline{\mathfrak{v}}^t} \end{array} \right.$$

$$\mathbb{I} \xrightarrow[\text{stet}]{x_{\underline{\mathfrak{v}}}} \mathbb{K} \Rightarrow x_{\underline{\mathfrak{v}}} \text{ integrable} \Rightarrow \int_{\mathbb{I}} x_{\underline{\mathfrak{v}}^t} \in \mathbb{K} \text{ well-def}$$

$$\bigwedge_o \bigvee_{r>0} \mathfrak{K}^{\leq r} \subset \mathfrak{h} \Rightarrow \mathfrak{K}^{\leq r} \times \mathbb{I} \xrightarrow[\text{u-stet}]{\underline{\mathfrak{v}}} \mathbb{K} \Rightarrow \bigwedge_{\varepsilon>0} \bigvee_{\delta>0} \bigwedge_{\substack{\overline{y-o} \leq \delta \\ t \in \mathbb{I}}} \overline{y_{\underline{\mathfrak{v}}^t} - o_{\underline{\mathfrak{v}}^t}} \leq \frac{\varepsilon}{|\mathbb{I}|}$$

$$\Rightarrow \bigwedge_{\underline{\Gamma} \leq \delta} \overline{o+L_{\underline{\mathfrak{v}}^t} - o_{\underline{\mathfrak{v}}^t} - L_{o_{\underline{\mathfrak{v}}^t}}} \leq \underline{\Gamma} \overline{o+L_{\frac{o}{y_{\underline{\mathfrak{v}}^t} - o_{\underline{\mathfrak{v}}^t}}}} \leq \underline{\Gamma} \frac{\varepsilon}{|\mathbb{I}|}$$

$$\overline{o+L_{\underline{\gamma}} - o_{\underline{\gamma}} - L \int_{dt}^{\mathbb{I}} o_{\underline{\mathfrak{v}}^t}} = \overline{\int_{dt}^{\mathbb{I}} o+L_{\underline{\mathfrak{v}}^t} - o_{\underline{\mathfrak{v}}^t} - L_{o_{\underline{\mathfrak{v}}^t}}} \leq \int_{dt}^{\mathbb{I}} \overline{o+L_{\underline{\mathfrak{v}}^t} - o_{\underline{\mathfrak{v}}^t} - L_{o_{\underline{\mathfrak{v}}^t}}} \leq |\mathbb{I}| \underline{\Gamma} \frac{\varepsilon}{|\mathbb{I}|} = \underline{\Gamma} \varepsilon \Rightarrow \left\{ \begin{array}{l} \underline{\gamma} \text{ o-diff} \\ o_{\underline{\gamma}} = \int_{dt}^{\mathbb{I}} o_{\underline{\mathfrak{v}}^t} \end{array} \right.$$