$$\bigwedge^{ћ}_{\triangle}{}^{\infty}\mathbb{R} \in \dot{\text{ገ}} \Rightarrow \overline{{}^{ћ}\dot{\text{ገ}} - {}^{ћ}\dot{\text{ተ}}} \leqslant \overline{\text{ገ} - \text{ተ}} \geqslant \overline{{}^{ћ}\underset{\bullet}{\text{ገ}} - {}^{ћ}\underset{\bullet}{\text{ተ}}}$$

$$\bigwedge_{h}^{ћ} -M \leqslant {}^{h}\text{ገ} - {}^{h}\text{ተ} \leqslant M = \overline{\text{ገ} - \text{ተ}}$$

$$\Rightarrow {}^{ћ}\underset{\bullet}{\text{ተ}} - M \leqslant {}^{h}\text{ተ} - M \leqslant {}^{h}\text{ገ} \leqslant {}^{h}\text{ተ} + M \leqslant {}^{ћ}\dot{\text{ተ}} + M$$

$$\Rightarrow {}^{ћ}\underset{\bullet}{\text{ተ}} - M \leqslant {}^{ћ}\underset{\bullet}{\text{ገ}} \leqslant {}^{ћ}\dot{\text{ገ}} \leqslant {}^{ћ}\dot{\text{ተ}} + M$$

$$\Rightarrow {}^{ћ}\underset{\bullet}{\text{ተ}} - {}^{ћ}\underset{\bullet}{\text{ገ}} \leqslant M \geqslant {}^{ћ}\dot{\text{ገ}} - {}^{ћ}\dot{\text{ተ}}$$

$$\text{analog } {}^{ћ}\underset{\bullet}{\text{ገ}} - {}^{ћ}\underset{\bullet}{\text{ተ}} \leqslant M = \overline{\text{ተ} - \text{ገ}} \geqslant {}^{ћ}\dot{\text{ተ}} - {}^{ћ}\dot{\text{ገ}}$$

$$\begin{cases} \mathbb{I}\underset{i}{\overset{\infty}{\triangle}}\mathbb{R} \ni \upsilon^n \ \text{integrable} \\ \upsilon^n \underset{\text{glm}}{\rightsquigarrow} \text{ʔ} \in \mathbb{I}\overset{\infty}{\triangle}\mathbb{R} \end{cases} \Longrightarrow \begin{cases} \text{ʔ} \ \text{integrable} \\ \int^{\hbar} \upsilon^n \rightsquigarrow \int^{\hbar} \text{ʔ} \end{cases}$$

$$\overline{\int^{\hbar} \upsilon^n - \int^{\hbar} \upsilon^m} \leqslant |\hbar| \overline{\upsilon^n - \upsilon^m} \underset{\text{Cau}}{\Longrightarrow} \mathbb{R} \ni \int^{\hbar} \upsilon^n \rightsquigarrow S \in \mathbb{R}$$

$$\mathcal{I} \succ (\varepsilon)^{\hbar} \qquad \Longrightarrow$$

$$\upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]}$$

$$\sum_{\pm}^{\mathcal{I}} \text{ʔ} - \sum_{\pm}^{\mathcal{I}} \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} = \sum_{I}^{\mathcal{I}} T \overbrace{\left(\text{ʔ} - \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]}\right)}^{\leqslant \ \overline{\upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} - \text{ʔ}}} \leqslant \overline{\upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} - \text{ʔ}} \ \underbrace{\sum_{I}^{\mathcal{I}} T}_{= |\hbar|} \leqslant \varepsilon$$

$$\sum_{+}^{\mathcal{I}} \text{ʔ} - 3\varepsilon \leqslant \sum_{+}^{\mathcal{I}} \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} - 2\varepsilon \leqslant \int^{\hbar} \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} - \varepsilon \leqslant S$$

$$\leqslant \int^{\hbar} \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} + \varepsilon \leqslant \sum_{-}^{\mathcal{I}} \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]} + 2\varepsilon \leqslant \sum_{-}^{\mathcal{I}} \text{ʔ} + 3\varepsilon$$

$$\Longrightarrow \text{ʔ} \ \text{integrable} \ \wedge \int^{\hbar} \text{ʔ} = S = \lim \int^{\hbar} \upsilon^{[\varepsilon/|\hbar|:\upsilon:\hbar] \curlyvee [\varepsilon:\int^{\hbar}\upsilon]}$$

$$\mathbb{I}\overset{\infty}{\triangle}\mathbb{R} \underset{\text{abg}}{\sqsupseteq} \mathbb{I}\underset{i}{\overset{\infty}{\triangle}}\mathbb{R} \xrightarrow[\text{stet}]{\int^{\hbar}} \mathbb{R}$$