$$\text{velocity } {}^{t}\underline{\wp} \,/\, \text{speed } \overline{\overline{{}^{t}\underline{\wp}}}$$

$$0|2\pi \ni t \mapsto {}^{t}\wp = \left({}^{t}\mathfrak{c}:{}^{t}\mathfrak{s}\right)$$

$${}^{t}\wp \text{ parametrisierung ellipse } \frac{x^2}{a^2}+\frac{y^2}{b^2}=1$$

$${}^{t}\wp = \left(t:\frac{t^2}{2}:\frac{t^3}{3}:\cdots:\frac{t^n}{n}\right) \in \mathbb{R}^n$$

$$U \subseteq \mathbb{R}^n\colon \quad \mathbb{I} \xrightarrow[\text{diff}]{\wp} U \xrightarrow[\text{diff}]{\gamma} \mathbb{R}\colon \quad {}^{t}\underline{\wp} \perp \nabla_{{}^{t}\wp}\gamma \text{ orth} \implies \wp \rtimes \gamma = \text{ cst}$$

$$\mathbb{I} \xrightarrow[+\text{diff}]{\wp} \mathbb{R}^n \begin{cases} \bigwedge\limits_{t}^{\mathbb{I}} \overline{\overline{{}^{t}\underline{\wp}}} \leqslant 1 \\ \overline{\overline{{}^{s}\underline{\wp}}} = 1 \end{cases} \implies \begin{cases} {}^{s}\wp|{}^{s}\underline{\wp} = 0 \\ {}^{s}\wp|{}^{s}\underline{\underline{\wp}} \leqslant -\overline{\overline{{}^{s}\underline{\wp}}}^2 \end{cases}$$