

fields $\mathbb{T}_{\infty} \mathcal{Y} \ni \mathcal{Y}$

$$\mathbb{T} \xrightarrow[\text{sec}]{\mathcal{Y}} \mathbb{T} \times \mathcal{Y} \Rightarrow \mathbb{T} \xrightarrow[\text{sec}]{\mathcal{Y}} \mathbb{T} \times \mathcal{Y} \times \underbrace{\mathbb{T}_{\infty} \mathcal{Y}}_{\mathcal{Y}}$$

$$h \mapsto {}^h \mathcal{Y}: {}^h \mathcal{Y} \in h \times \mathcal{Y} \times \mathbb{T}_{h} \mathcal{Y}_{h_{\mathcal{Y}}}$$

1-jet fields $\mathbb{T}_{\infty} \mathcal{Y} \times \mathbb{T}_{\infty} \mathcal{Y}$

field Lagrangian $\mathbb{T}_{\infty} \mathbb{R} \xleftarrow{\mathcal{L}} \mathbb{T}_{\infty} \mathcal{Y}$

$$\text{waves } \frac{\mathbb{T}_{\infty} \mathcal{Y}}{\mathcal{Y}} = \mathbb{T}_{\infty} \mathcal{Y}_{\mathcal{Y}}$$

$${}^h \mathcal{L}_{\mathcal{Y}} = {}^h \mathcal{L} ({}^h \mathcal{Y}: {}^h \mathcal{Y})$$