

$$\mathcal{C}^\infty \left( \mathbb{R} \times 0 | \pi \begin{array}{c} \blacktriangle \\ \infty \end{array} \mathbb{R}^N \right)$$

$$T^\# \left( \tau \times 0 | \pi \begin{array}{c} \triangle \\ \infty \end{array} \mathbb{R}^N \right) \xrightarrow{F} \mathbb{R}$$

$$F \underset{\tau}{\times} \dot{F} = \int_{d\sigma}^{0|\pi} \frac{\delta F}{\delta_\mu \Pi_\sigma} \frac{\delta \dot{F}}{\delta^\sigma X^\mu} - \frac{\delta F}{\delta^\sigma X^\mu} \frac{\delta \dot{F}}{\delta_\mu \Pi_\sigma} = \int_{d\sigma}^{0|\pi} \frac{\delta F}{\delta_\mu \dot{X}_\sigma} \frac{\delta \dot{F}}{\delta^\sigma X^\mu} - \frac{\delta F}{\delta^\sigma X^\mu} \frac{\delta \dot{F}}{\delta_\mu \dot{X}_\sigma} \eta_{\mu\mu}$$