$\Gamma^h(E) = $ space of section.

$\Gamma^q(T(M))$ $\qquad$ $(T(M), M, \quad)$

$\hookrightarrow$ as a vector bundle.

$X_t = \dfrac{\partial}{\partial x_1}$ $\qquad$ $Y_t = \dfrac{\partial}{\partial x_2}$

$$X_t Y_t = \frac{\partial^2}{\partial x_1 \partial x_2}$$

$X_t Y_t$ is not defined.

$(X_t Y_t) f =$

equivalence classes of curves that have the same derivative at a given point.

Equivalence of partial derivatives & curves

Curves $\xrightarrow{\text{to}}$ vectors

claim that it satisfies the product rule