No.
Date

tangency

$T_x M$: $\mathbb{R}$-module

M : microlinear type

x : M

$T_x M$ xにおける.

$\{t : D \to \|M\|_0 \mid t(0) = |x|_0\}$

Vector field　3つの視点が本質的にはequivalent

$\pi : M^D \leftrightarrows M$ projection

$\pi(t) = t(0)$

Mの各点に対して x

基点

$X(x) \in M^D$

$\boxed{\pi(X(x)) = x}$

$(M^D)^M = M^{D\times M}$

$= (M^M)^D$

$X : D \times M \to M$

$X(0, x) = x$

$X_0 = \underline{id_M}$

$X : D \to M^M$ 関数空間

$X_0 = id_M$ 接空間

Th.58

$\cup$

(1) $\lambda x{:}M\ T_x M$ fibration

the type of sections $\prod_{x:M} T_x M$

(2) the type of infinitesimal flows on $\|M\|_0$

$$f : D \times \|M\|_0 \to \|M\|_0 \quad \text{with} \quad \prod_{x:\|M\|_0} f(0, x) = x$$

(3) the type of infinitesimal transformations of $\|M\|_D$

mappings $X : D \to \|M\|_0 \to \|M\|_0$

with $X_0 = id_{\|M\|_0}$　natrrally equivalent

maruman

proof section of $\lambda_{x:M} T_x M$

$\widetilde{f} : M \to D \to \|M\|_0$ with $\prod_{x:M} \widetilde{f}(x,0) = |x|_0$

$\widehat{f} : D \to M \to \|M\|_0$ with $\prod_{x:M} \widehat{f}(0,x) = |x|_0$

$\underline{M \to \|M\|_0 \cong \|M\|_0 \to \|M\|_0}$

$f : D \to \|M\|_0 \to \|M\|_0$ with $\prod_{x:\|M\|_0} f(0,x) = x$