```
T_{p} (x, U)
p
x_{i}p
i = 1, \dots, m
i|_{p}(f) := \partial_{i}(f \circ x^{-1})|_{x(p)}
\partial_{i}
\begin{cases} \partial_i \\ \partial_i \\ (x_1|_p, \dots, x_m|_p) \end{cases}
            \begin{array}{l} \sum_{i=1}^{i} (x_{1}|_{p}, \ldots, x_{m}|_{p}) \\ p \\ \sum_{i=1}^{m} v(x_{i})x_{i}|_{p} = \\ \sum_{i=1}^{m} \xi x_{i}|_{p}. \\ ?? \\ 1|_{p}(x^{j}) = \\ \delta_{ij} \\ (x_{1}|_{p}, \ldots, x_{m}|_{p}) \\ p \\ f : \\ U \subset \rightarrow \\ U' \subset
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :=\psi_i(U)
                                  f_{i} = \begin{cases} \psi_{i} \circ \\ \psi_{i} \circ \\ \psi_{i} \circ \\ \psi(U) - \\ \psi(U_{0}) = \\ \psi(x(q)) - \\ \psi(x(p)) = \\ f(q) - \\ f(p) \\ U_{0}^{i} = \\ x^{i}(q) \\ U_{0}^{j} = \\ x^{i}(p) \\ \psi_{i}(x(1)) = \\ \psi_{i}(x(1)) = \\ f_{i}(q) \\ \sum_{i=1}^{n} (x_{i}(q) - \\ x_{i}(p)) f_{i}(q) \\ \vdots |_{p}(f) = \\ \partial_{i} \underbrace{(f \circ x^{-1})}_{x(p)} |_{x(p)} \end{cases}
                                   \begin{array}{c} = & \psi \\ \frac{\partial_{i} \psi|_{x(p)}}{=} \\ = & \psi_{i}(x(p)) = \\ f_{i}(p) \\ \psi(U) = & \end{array}
```