

Peter A function of
$$\mathcal{M}^{2} \to \mathcal{M}^{2}$$
 is said to be at also \mathcal{L}^{2} for any of the period of partial partial y differentiated \mathcal{M}^{2} three the continuous function is presented to be the theory function is presented by the three they called a continuous function is the continuous formation is the continuous function is the continuous formation is the continuous formatis in the contis the contin

$$\begin{array}{c} O_{1}^{k} = \displaystyle \sum_{i=1}^{k} (x_{i}^{k}, x_{i}^{k}) \in S^{2}\left((x_{i}^{k})^{2} + (x_{i}^{k})^{2} +$$

temark: Diffeomorphic manifolds have identical manifold tructure.



Example!

In the definition of deflectments in it is not enough, if we only requise the $f:H \rightarrow H'$ to be one-to-one, onto, and it differentiable, Because, for example the func. $f:R \rightarrow R$, where $f(x) = \chi^2$, is one-to-one, onto, and differentiable, 1 but its inverse is not differentiable at point f(x) = 0.