

$$(FB)^{-1} A$$

Q51) How to view $\text{Sym}(T_0^2(M))$ as a manifold?

What is the vector bundle?

and ~~what is~~ in what sense is it a section?

Is g_t a function from $T_t M \times T_t M$?

for each t

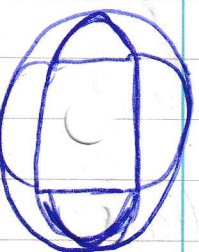
$$g_t: T_t M \times T_t M$$

thanks for organizing

↓
why does this domain follow from g_t being a C^{k-1} section of $\text{Sym}(T_0^2(M))$?

It is Lambda d Riemann metric?

sound $g_0 S(M)$ be $= \{ X \in T_t(M) : g_t(X, X) = 1 \text{ for some } t \in M \}$?



why are the sphere bundle & orthonormal frame bundle fiber bundles?
and why is this important?
guidelines exist - by taking limits