

Kaniel - FB approach to min submfld.

L submfld of (M, g) .

$$B(x, y) = (\nabla_x y)^\perp \quad x, y \in TL.$$

- $B = 0$ tot. geodesic.
- B vanishes - minimal.
- B prop to trace - L unhelical.

Codim \perp curve, one shape φ . ~~two~~ So.

$$L \mapsto \int_L \sigma_r \text{ vol}_L \quad \sigma_r \text{ (Krylov fr. of principle curv.)}$$

But in higher codim; $\pi: P \rightarrow TM \supset TL$.

and pull TL back over P ($= O(n)$ or $So(n)$)
 and here Principle curv.

$$\int_P \sigma_r \text{ vol}_P \quad \leftarrow \text{exists as integral over fibre \& over mfld.}$$

"Integration over all basis".