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Tangent bundle TS^n of the n -sphere

[#wiki/Man/R/bundle/vector/](#)

[#wiki/Man/R/n](#)



$$TS^n \cong_{Vec_{\mathbb{R}} BunMan} \{(x,v) \in S^n \times \mathbb{R}^n \mid \langle x,v \rangle = 0\}$$

Current note has 0 direct children and 0 total descendants.

- [stretchy](#)
 - S^n
 - TS^n

And it has 4 siblings.

- [stretchy](#)
 - S^n
 - $O(n+,\mathbb{R}) \curvearrowright S^n$
 - $U(n,\mathbb{C}) \curvearrowright S^{2n-1}$
 - [Lebesgue measure on \$S^n\$](#)
 - TS^n