y
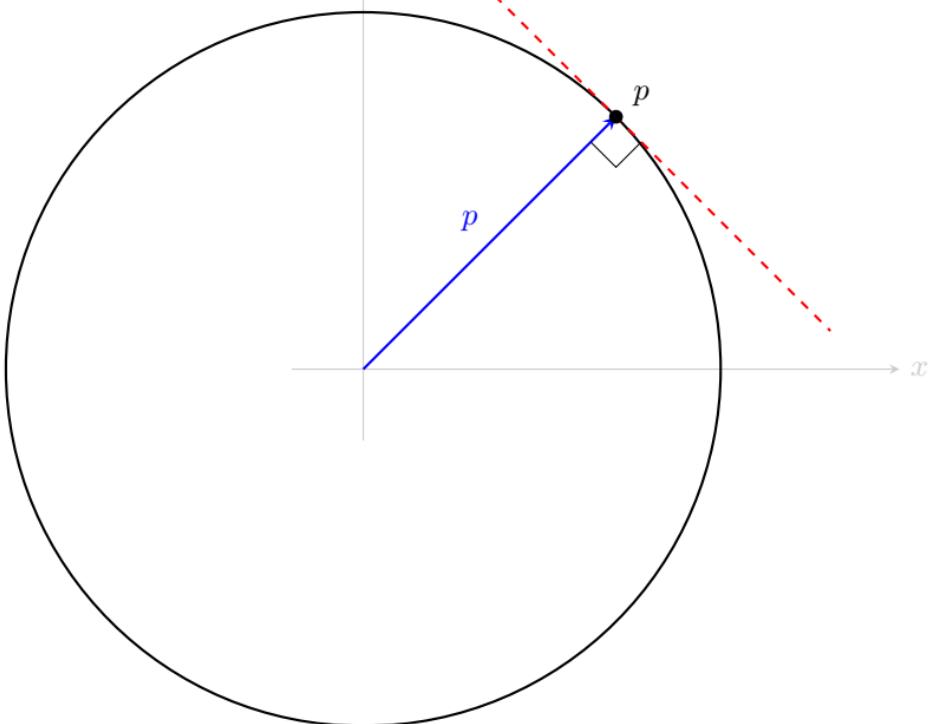
$T_p S^2 = \{\mathbf{v} \in \mathbb{R}^3 \mid \mathbf{v} \cdot p = 0\}$

p

p

x