





of the tongent space at Z is the space of all possible.

velocities 725. A vector VETS, iff V.Z=0

The tangent bundle TS, is the set of all bound

tangent rectors

$$\frac{1}{2} \frac{2(t)}{2} \frac{1}{2} \frac{2(t)}{2(t)} = \frac{1}{2} \frac{2}{3} \frac{2(t)}{3(t)} \frac{2(t)}{3(t)} = 0$$