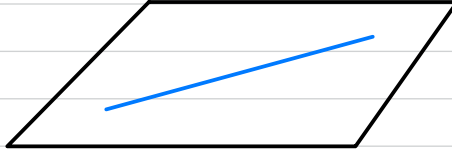


Geodesic Curvature

Next: geodesics.

In a plane,



straight line $\bar{\alpha}(t) = \bar{p} + t\bar{v}$

- $\frac{d}{dt} \bar{\alpha}'(t) = 0$
↳ $\bar{\alpha}''(t)$

- "straight": no side to side bending/wiggling in plane.
- shortest path b/w two pts.

We want to generalize this to curves in surfaces...