

[10.2] - Reading Assignment

After reading section 10.2...

1. What is the difference between the tangent vector to a curve at a point P and the *unit* tangent vector to a curve at a point P ?
2. Are there any values of t for which the 2D vector function $\vec{\mathbf{r}}(t) = \langle t^2 - 2t, \sin \pi t + \pi t \rangle$ has a cusp? If so, find them. If not, why not?
3. Muddy questions? Questions you wonder about?