PROJECT TITLE

DIFFERENTIAL GEOMETRY, SPRING 2015

Central Theme

Minimum Requirements

Write a paper exploring the basics of the tangent spherical image.

- 7-10 pages, in LaTeX, with attention paid to standard English grammar, spelling and usage.
- Give a clear definition of the .
- Compute several examples, including at least these: a line, a circle, a circular helix, Viviani's curve (Struik example (3) on pages 9–10), the twisted cubic (Shifrin page 3).
- Include images where appropriate.
- Prove the theorems below.

Extensions to Explore

Resources