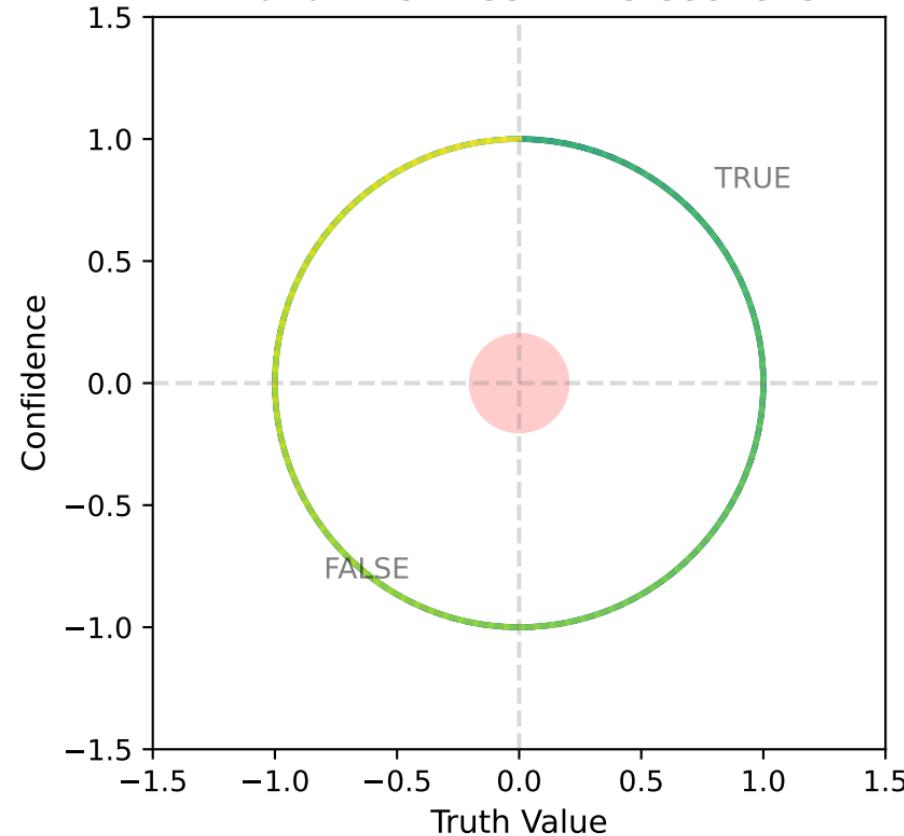


The Liar's Paradox: Dimensional Requirements for Self-Reference

A. Gamma Regime ($k=2$)
Planar: 1511 self-intersections



B. Beta Regime ($k=3$)
Helix: 0 self-intersections

