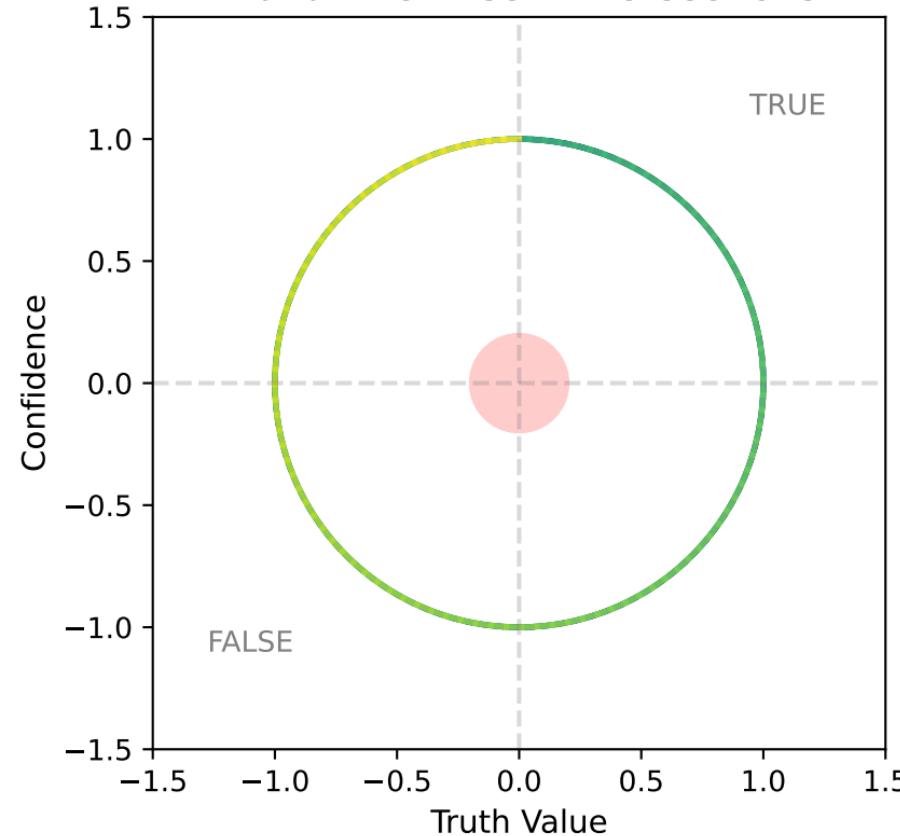


The Liar's Paradox: Dimensional Requirements for Self-Reference

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



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

