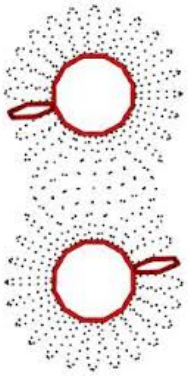
TEXAS STATE UNIVERSITY

The rising STAR *of Texas*



Texas State Topology Seminar

Thursday, 2018, September 20, 2:00-3:00 p.m., in DERR 227

Speaker: Will Grilliette

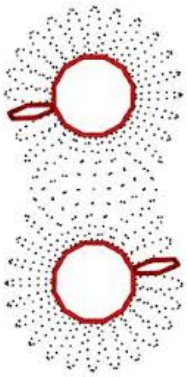
Topic: *Comma Categories, Part I: Topologies & σ-Algebras*

ABSTRACT

A comma category is a construction, which merges two categories by means of functors into a third. In this talk, a comma category is constructed, which contains both the category of topological spaces and the category of measurable spaces as full subcategories. Adjoints to the natural projection and inclusion functors yield multiple canonical constructions in topology and measure theory.

TEXAS STATE UNIVERSITY

The rising STAR *of Texas*



Texas State Topology Seminar

Thursday, 2018, September 20, 2:00-3:00 p.m., in DERR 227

Speaker: Will Grilliette

Topic: *Comma Categories, Part I: Topologies & σ-Algebras*

ABSTRACT

A comma category is a construction, which merges two categories by means of functors into a third. In this talk, a comma category is constructed, which contains both the category of topological spaces and the category of measurable spaces as full subcategories. Adjoints to the natural projection and inclusion functors yield multiple canonical constructions in topology and measure theory.