

Texas State Topology Seminar

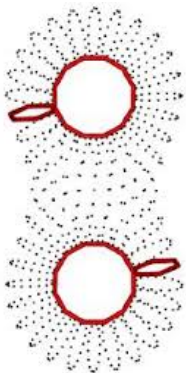
Friday, April 21, 11:00-noon, in DERR 229.

Dr. William Grilliette
"Topological Graphs"

ABSTRACT

This talk discusses a fusion of graph theory and topology, the topological graph. This structure can be realized in two different ways, via a functor category or a comma category, both of which allow other structures to be imposed on graphs. Topological graphs arise in functional analysis for the purpose of generalizing Cuntz-Krieger graph algebras and Leavitt path algebras.

For simplicity and time's sake, we will principally discuss how topological graphs arise, as well as some history as to their purpose and application in functional analysis.



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