1154-57-1228John H Bergschneider* (jhb10c@my.fsu.edu), 419 Fairbanks Dr., Tallahassee, FL 32304.
Classifying Stratified Spaces: 2-Foams and 2-Stratifolds. Preliminary report.

A 2-dimensional foam is a compact topological space such that any point has a neighborhood homeomorphic to the dual spine of a tetrahedron. Trivalent 2-stratifolds are a special class of 2-foams that are locally modeled on where 3-sheets meet. Foams and stratifolds are important as they include spines of 3-manifolds. Currently, there is no general classification of 2-foams. In this talk, supervised under Wolfgang Heil, I will explain how to classify closed trivalent 2-stratifolds by their fundamental group. (Received September 14, 2019)