

Theodora Bourni

Ancient pancakes for mean curvature and Ricci flow

In this talk we will describe how to construct certain "collapsed" ancient solutions. In the recent years we have developed a method to construct convex ancient solutions of mean curvature flow that are confined in a slab. In this talk we will revisit this construction and show how parallel techniques can be used to construct ancient solutions of Ricci flow that have "bounded girth". This is joint work with T. Buttsworth, R. Lafuente and M. Langford.