1147-53-769 **Marie A. Snipes***, snipesm@kenyon.edu. *Embedding a snowflake metric space into Euclidean space.* Preliminary report.

One way to understand the structure of a metric space is to determine whether it can be embedded bi-Lipschitzly into some Euclidean space. Although there exist doubling metric spaces for which no such embedding exists (in particular a well-known space described by Laakso), Assouad's theorem guarantees that after snowflaking the metric, the space can be bi-Lipschitzly embedded into Euclidean space. In this talk we discuss embedding the snowflaked Laakso space into Euclidean space, based on results of Naor-Nieman and David-Snipes. This is joint work with Preston Pennington and Jim Skon. (Received January 28, 2019)