1155-28-257 **Vyron Vellis***, Ayres Hall, University of Tennessee, 1403 Circle Dr, Knoxville, TN 37916. *Hölder parameterization of IFS.*

The rectifiability problem, one of the most important problems in geometric measure theory, asks conditions under which a metric space is contained in a Lipschitz or Hölder curve. A theorem of Remes from 1998 asserts that any connected, self-similar set in Euclidean space that satisfies the open set condition is the image of a $(1/s)$-Hölder curve, where s is the similarity dimension. In this talk we generalize Remes' theorem to connected iterated function systems in complete metric spaces. As a special case, we discuss Bedford-McMullet carpets and determine the sharp Hölder exponent in this case. This is joint work with Matthew Badger. (Received January 15, 2020)