

1157-18-497

Benjamin Briggs, Srikanth B Iyengar, Janina C Letz* (letz@math.utah.edu) and **Josh Pollitz**. *A homotopical characterization of l.c.i. maps*. Preliminary report.

This talk will be about locally complete intersection maps of commutative noetherian rings. Results of Dwyer, Greenlees, and Iyengar, and Pollitz lead to a characterization of the complete intersection property for a noetherian ring in terms of the structure, as a triangulated category, of the bounded derived category of the ring. In my talk I will present a similar characterization for locally complete intersection maps. This is part of ongoing joint work with Briggs, Iyengar, and Pollitz. (Received February 03, 2020)