1139-57-186   **Ziva Myer*** (`zmyer@math.duke.edu`). *Product structures for Legendrian submanifolds with generating families.*

Algebraic invariants of Legendrian submanifolds in standard contact 1-jet spaces have been defined through a variety of techniques. I will discuss how I am using the Morse-theoretical technique of generating families to build such invariants. In particular, I have constructed a "two-to-one" product on generating family cohomology and I will discuss current work on different ways to extend this construction to A-infinity algebras and categories. If time permits, I will discuss conjectured relations of these constructions to others in the field. (Received February 09, 2018)