

1154-53-2287      **Ziva Myer\*** (zmyer@math.duke.edu). *Legendrian Invariants*. Preliminary report.

In contact geometry there are a few different tools used to construct invariants for Legendrian submanifolds: pseudoholomorphic curves, generating families, and constructible sheaves. While the underlying theory of these techniques employ vastly distinct flavors of mathematics, there has been some evidence that Legendrian invariants defined through these methods contain the same information. I will elaborate more on this phenomenon and highlight where some of my past, current, and future projects appear in this story. (Received September 17, 2019)