1163-18-1199   **Petter A. Bergh**, **Julia Plavnik*** (`jplavnik@iu.edu`) and **Sarah Witherspoon**. *Support varieties for finite tensor categories.*

In this talk, we will consider the support variety theory for finite tensor categories. We will start by presenting the basic definitions and properties of these varieties. Then, we will discuss some deeper results involving complexity, realization, and connectedness of the varieties. If time allows, we will analyze some examples. (Received September 15, 2020)