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Brian Boe and **Jonathan Kujawa*** (kujawa@math.ou.edu), Department of Mathematics,
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superalgebras of type P.*

Support varieties have long history in modular representation theory and are known to capture important information. A relevant example is the fact their dimension equals the rate of growth of a module's minimal projective resolution (aka the module's complexity).

Motivated by these successes, Boe, Kujawa, and Nakano introduced support varieties to the study of complex representations of Lie superalgebras. They are known to contain valuable information, but are still mysterious in a number of respects – including their relationship to complexity. In this talk we will explain explicit computations of both support varieties and complexity for type P Lie superalgebras which we think are illuminating. (Received February 15, 2021)