

Slodowy Slices in Graded Lie Algebras

Thursday, July 24, 2025 9:30 AM (1 hour)

Vinberg theory of graded Lie algebras is a beautiful part of algebra that has applications to a wide range of mathematics, including the representation theory of p -adic groups and arithmetic statistics. In this talk, I'll give an introduction to this area via examples. Time permitting, I'll show how to adapt a construction of Slodowy to the setting of graded Lie algebras to produce families of algebraic curves. This is based on joint work with Jef Laga, and generalizes work of Jack Thorne.

Motivation for Participation

Application for a talk

E-Mail

Special requests and comments

Academic Status

Financial Support

Institution (University)

Topic of your talk

Comments and Suggestions on the Community Agreement

Nationality

Country of Institution

Preferred Name

Gender

Preferred Pronouns

Presenter: ROMANO, Beth