

Algebra Seminar



Title: Matrix Invariants, Nullcones, and Brauer-Severi Schemes

Speaker: George F. Seelinger (ISU)

Time: 1:00 pm - 1:50 pm on Thursday (10/29/20)

Zoom Meeting ID: 939 8349 2731 (Passcode: AlgSeminar)

Abstract: In this talk, I will look at the $GL(n)$ -orbits of m -tuples of $n \times n$ matrices over the complex numbers and the local structure of the corresponding moduli space of this action, its interpretation as isomorphism classes of representations, and its relationship with the Brauer-Severi scheme.

About Speaker: George Seelinger got his Ph.D. from The University of Texas at Austin in 1991 where he did a dissertation in the area of Geometric Invariant Theory. Geometric Invariant Theory involves actions of algebraic groups on algebraic varieties and looking at the geometric structure of the quotient of this action.

From 1991 to 2002 he held a faculty position at Northern Illinois University. In 2002, he became Chair of the Mathematics Department at Illinois State University. His research interests include algebraic transformation groups, vector space partitions, and Mathieu subspaces of matrix rings.

Zoom meeting information

<https://illinoisstate.zoom.us/j/93983492731?pwd=YlppYm1ETFBzVmMwc2dwV0FwN2ZhUT09>

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