



WVU ALGEBRA SEMINAR via ZOOM

Semidualizing Modules and the Divisor Class Group of Ladder Determinantal Rings

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Introductory talk: Saturday, November 14, 2020
9:00 am - 10:00 am (Eastern Time USA)

Research talk: Saturday, November 21, 2020
9:00 am - 10:00 am (Eastern Time USA)

Abstract: Let R be a Noetherian ring. Semidualizing modules of R are generalizations of the notion of a canonical module of R . Even though the theory of semidualizing modules has been developed, not too many explicit examples of semidualizing modules have been known. In our talks, we will describe the semidualizing modules of ladder determinantal rings. Our work also allows us to describe the divisor class group of ladder determinantal rings over a normal domain.

In the first talk, we will review some background material.

The second talk will be about our results.

This is joint work with Sean Sather-Wagstaff and Sandra Spiroff.