



WVU ALGEBRA SEMINAR via ZOOM

A study of the structure of Sally modules

Kazuho Ozeki
Yamaguchi University, Japan

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

Research talk: Saturday, October 17, 2020
9:00 am - 10:00 am (Eastern Time USA)

Abstract: The notion of the Sally module was introduced by W. V. Vasconcelos in 1994, where he gave an elegant review of Sally's works about the structure of \mathfrak{m} -primary ideals with interaction to the structure of the associated graded ring and Hilbert coefficients.

In the first talk, let us study some histories and basic properties of Sally modules. In the second talk, let me introduce some applications of the theory of Sally modules. Especially, we will explore the relationship between the structure of a stretched \mathfrak{m} -primary ideal and an Artinian reduction of it.