

## **Rational Smoothness and Filtrations of Algebraic Varieties**

*Richard Gonzales*

In this introductory talk, we describe a class of singular projective varieties with a group action and nice cellular decompositions. The goal is to show how the cohomology of such spaces can be read off from the finite graph of fixed points and invariant curves.

The speaker is supported under TUBITAK ISBAP Grant 107T897 - Matematik İşbirliği Ağı: Cebir ve Uygulamaları