



Speaker: Andras Lorincz
University of Connecticut

Wednesday, January 27, 2016

3:00 PM

258 Hurley Hall

Title: Free resolutions of orbit closures of Dynkin quivers

Abstract:

In this talk, we show how one can construct the minimal free resolutions of orbit closures of Dynkin quivers. These can be viewed as generalizations of Lascoux's resolution for determinantal ideals. We use the resolutions to prove that such orbit closures are normal, Cohen-Macaulay and have rational singularities. They also allow us to read off explicitly the minimal set of generators of their defining ideals. This is joint work with Jerzy Weyman.