

## RECENT DEVELOPMENTS IN (STABLE) RATIONALITY

**Speaker:** Roya Beheshti (WUSTL), April 19 and 26, 2017

**Abstract:** These talks are on some recent advances in the study of stable rationality of varieties. After reviewing the classical example of Artin and Mumford, I will talk about the specialization methods of Voisin and Colliot-Thelene/Pirutka which give new examples of varieties that are not stably rational. I will also talk about unramified cohomology and rationality in families, and time permitting, discuss the result of Hassett-Pirutka-Tschinkel proving rationality is not deformation invariant.