# PhiladelphiaAreaNumberTheorySeminar

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## Explicit Brauer-Manin for a 9-Nodal Cubic 3-Fold

Abstract: First, we will review the theory of Brauer-Manin obstructions to the Hasseprinciple. Shepherd-Barronclassi ed 9-nodal cubic 3-folds and proved that the only obstruction to the Hasseprinciple for these 3-folds is the Brauer-Manin obstruction. Using these ideas, we provide an explicit example of a 9-nodal cubic 3-fold violating the Hasseprinciple. This is work in progressjoint with Anastassia Etropolski and Marta Pieropan.

Thursday, April 14, 2016
2:40{4:00PM

Bryn Mawr College
Department of Mathematics
Park ScienceCenter 328
Tea and refreshmentsat 2:20PM in Park 355