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**Speaker:** Dylan Rupel  
University of Notre Dame

Monday, February 29, 2016

2:00 PM

258 Hurley Hall

**Title:** Broken Lines and the Theta Basis

**Abstract:**

This talk will be a continuation of the discussion from last week. Using the notion of scattering diagram developed last week, we will introduce the theta basis as generating functions for combinatorial objects known as broken lines. Once the definitions are presented we will work through some examples and then discuss connections to cluster algebras including a relationship to another combinatorially defined basis, the greedy basis.