

BI-CO MATHEMATICS  
COLLOQUIUM

Gabriel Feinberg  
Haverford College

*“Catalan’s Numbers and Some  
Representation Theoretic  
Applications”*

**Monday, September 16, 2013**

Talk at 4:00 – Park 328

Tea at 3:30 – Park 355, Math Lounge

**Abstract:**

The sequence of Catalan numbers famously has dozens and dozens of combinatorial interpretations. In addition to discussing a few fun examples of these, we will explore Catalan's Triangle, a slightly lesser-known but related sequence.

In particular, we will see how these sequences play a part in enumerating fully commutative elements of some Coxeter groups, which are of particular interest to representation theorists..

**BRYN MAWR COLLEGE**