BI-CO MATHEMATICS COLLOQUIUM

Ryan Kaliszewski

Drexel University

"Q-Analogs, Binomial Coefficients, and Catalan Numbers"

Monday, November 9, 2015

Talk at 4:00 – Park 338
Tea at 3:30 – Park 355, Math Lounge

Abstract:

A q-analog of a number is a polynomial in q that recalls the original number evaluated at $q = 1$. Several q-analogs play a prominent role in combinatorics, such as q-factorials, q-binomial coefficients, and q-Catalan numbers. We will explore some applications of these q-analogs as well as a further generalization, the q, t-Catalan numbers.

BRYN MAWR COLLEGE