

BI-CO MATHEMATICS COLLOQUIUM

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*“ Q -Analog, 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