



Departmental Seminar Series presents:

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**October 25, 2017, 3:00 PM in Cohn Hall 133**

## **Rolling Dice with Polynomials**



### **Abstract**

George Sichermann in 1978 discovered a way to label two six-sided dice that produces outcomes identical to the one which occurs when two standard six-sided dice are rolled. In this talk, I will describe a generalization of this result due to Gallian and Rusin which uses polynomial algebra. I will conclude with a description of several variations on the original problem, several open questions, some early results, and possible directions for future (undergraduate) research. Fun dice will be present for you to roll!

*This talk will be accessible to Juniors and Seniors.*

Refreshments will be served.