# Math/Stat Colloquium

## TUESDAY, OCTOBER 8



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## Partition identities and symmetric group characters

**The study of integer partitions has applications in many areas of mathematics, such as abstract algebra, combinatorics, and number theory. I will begin by discussing a theorem of Euler about the number of partitions with distinct odd parts. I will show how Euler's identity leads to questions in representation theory of the symmetric group, in particular about the character table. No background will be assumed beyond basic notions from linear algebra.**

**Science Center 199
4:15pm Refreshments, 4:30pm Talk**