

The Allegheny College Mathematics Department
Presents Guest Speaker

James Sellers, Penn State University

on

Euler's Theorem Relating Odd-Part and Distinct-Part Partitions

In the mid-18th century, Leonhard Euler single-handedly began the serious study of integer partitions and made fundamental contributions to the area for the next few decades. In particular, he proved a remarkable result which says that the number of partitions of the integer n into distinct parts equals the number of partitions of n into odd parts. My goal in this talk is to discuss Euler's impressive work on partitions, including snapshots of historical (original) publications of Euler, and then to describe numerous 20th and 21st century results which spring from Euler's original result. The talk will be self-contained and geared for both students and faculty alike.



Portrait of Euler by Emanuel Handman

**Allegheny College
Quigley Hall Auditorium
Thursday, April 2, 4 pm**

Refreshments will be available after the talk. Sponsored by the Department of Mathematics. Funded by the Beazell Fund. For more information, contact Harald Ellers at hellers@allegheny.edu

