

# COLLOQUIUM

## *Lattice polygons and the number 12*

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**Abstract:** Let  $P$  be a convex lattice polygon with one interior lattice point. The number of lattice points on the boundary of  $P$  plus the corresponding number for the dual polygon (to be defined) always equals 12. We will sketch four different proofs of this result, and explain why this 12 is the same as the 12 that arises in various other branches of mathematics.

Tuesday, March 25, 2008, 4:00 pm  
Mathematics and Science Center: W201

Refreshments will be served in the department lounge at 3:30PM

MATHEMATICS AND COMPUTER SCIENCE  
EMORY UNIVERSITY