Society for Undergraduate Mathematics

Presents:

Research Experience
for Undergraduates at Temple:

Irreducible solutions

by Edward S. Letzter

In this talk we will consider solutions to noncommutative polynomial equations, such as $XY = -YX$ and $YX - XY = 1$, which we view as describing the loci of noncommutative spaces. The solutions are not numbers, but are instead linear operators (e.g., matrices). Irreducible solutions are the minimal solutions, and play a prominent role throughout. The previous talk is not required to understand the material in this talk. However, some familiarity with linear algebra will be helpful.

Thursday November 14, 2002
Wachman Hall, Room 617, 4:00pm
Graduate students are especially welcome!
Free Doughnuts and Coffee will be available from 3:45 to 4pm.