

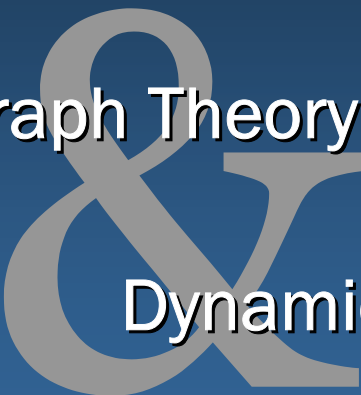


# Research Experience for Undergraduates in Mathematics



## Extremal Graph Theory

## Dynamical Systems



Vertex labelings and numberings of graphs

$$R(K_4, K_5) = 25$$

Graph Ramsey Numbers

Numerical Studies of Differential Equations

$$R' = cR \left( 1 - \frac{R}{K} \right) - hP$$

Topological Data Analysis of Satellite Imaging

# NSF-REU in Mathematics at RIT

### Program Benefits

- A stipend of \$3125 plus free housing.
- All participants will receive a full version of *Scientific Workplace 5.5* by Mackichan Software, Inc.
- Work closely with faculty and participate in an Ethics in Science Workshop and Seminar Series.
- The opportunity to present your work at a national mathematics conference after the program.

For more information, see [http://people.rit.edu/~dansma/index\\_files/NSFREU.htm](http://people.rit.edu/~dansma/index_files/NSFREU.htm) or contact:

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Participants must be U.S. Citizens or Permanent Residents and must be undergraduates in Fall 2009. Women and Minority Students are encouraged to apply.

Deadline for full consideration: March 6, 2009