

Summer 2006 REU Program in Mathematics

- Algebra
- Number Theory
- Metric Spaces
- Knot Theory

The Colleges of Claremont McKenna, Harvey Mudd, Pitzer, Pomona, and Scripps, with funding from the National Science Foundation, hosted a **Research Experiences for Undergraduates (REU)** program during the 2006 summer months. Ten students from around the nation were selected to work on projects with mathematicians from the Claremont Colleges.

Four topics of research were offered this year: Fourier Analysis on Finite Groups, Generalized Continued Fractions, Metric Trees, and Lissajous and Billiard Knots.

Instruction sessions, lectures, and workshops were coordinated and held primarily in CMC's Davidson Lecture Hall. Various other rooms and venues were used throughout the Claremont Colleges for class use, movie nights, group dining, and housing. This year's students worked closely with CMC Professors Asuman Aksoy and Mario Martelli, Pitzer Professor Jim Hoste, Scripps Professor Chris Towse, and Harvey Mudd Professor Michael Orrison. Students made a final presentation during the last week of the program.

Each student received a stipend of \$2800 together with free room and board as well as funding towards travel expenses. The program ran from June 5 through July 29th, 2006.

