

VIGRE at The University of Utah, 2001-2003
<http://www.math.utah.edu/vigre/>

- **Math Circle for talented high school students.** Meets Wednesdays late afternoon throughout the academic year. Attended by as many as 30 students.
- **Three week summer program for talented high school students.** Attended by approximately 20 students. Topics from number theory.
- **Summer REU.** 6 week summer research program for talented undergraduate students. Small number (up to 15) undergraduate students work on common research projects. (2001-Hyperbolic geometry; 2002-Random walks and simulation; 2003-Elliptic curves.)
- **Academic year REU.** Up to 15 students work on individual projects with department faculty.
- **Undergraduate colloquium.** Speakers include faculty, graduate students, undergraduate students. Meets weekly.
- **Senior seminar.** Speakers are REU students who discuss progress on their individual projects.
- **Graduate colloquium.** Meets weekly; speakers include graduate students presenting topics from their research areas and faculty.
- **Prelim work shops.** Organized study groups preparing for the written preliminary examinations. Faculty mentors are available.
- **Two week mini-courses.** Two two week mini-courses are held each year covering topics from some research area. These courses are designed for graduate students who are in the research phase of their Ph.D. program and are open to local students as well as students from other universities. Outside students may apply for financial support to attend these courses. Two such courses took place last summer (Complex hyperbolic geometry, Variational Methods and nonlinear PDE). Two will take place this coming summer (Mathematics behind biological invasions, Waves in inhomogeneous media) and others are planned for 2004.
- **Research and training positions.** There are 8 graduate student traineeships and currently 6 post-doctoral VIGRE positions.
- Vigre graduate students and postdocs are integrated in the above programs as mentors and/or organizers.

Information about each of the above items may be found at the web-site given.