

Chuang Peng
Ph.D., University of Georgia

RESEARCH INTERESTS:

- Abstract Algebra
- Representation of finite groups
- Computer Algebra
- Number Theory
- Combinatorics
- Graph Theory
- Calculus reform
- Applied Mathematics
- Computer Assisted Mathematics

CURRENT RESEARCH:

- The computations of cohomology of some concrete finite p -groups where p is a prime number
- Continue research on Additive number theory, to prove the conjecture:

$$c(G) = 2\sqrt{p-1} - 1,$$

where $c(G)$ is the minimal number to generate the entire group G

- Teaching with technology project, establish a web-based on-line tutorial and testing system

SELECTED PUBLICATIONS:

- *Relative Projectivity and Virtually Relative Projectivity*, J. Algebra **204** (1998), 286–311.
- *Relative Projectivity to a Module and its Cohomology*, J. Algebra **183** (1996), 929–948.