Laboratory for Visual Mathematics & Psychophysics Club
DEPARTMENT OF MATHEMATICS AND STATISTICS

Our Research

The Laboratory for Visual Mathematics looks to understand the perception of natural and artificial images and apply it to improving design of graphical display devices and software. Members of the Psychophysics Club will draw on the lab’s technology and experience to produce public shows in order to raise awareness of important issues and also to have some fun. We will be working with lasers, video projection technology, and Wolfram Research’s Mathematica software.

Psychophysics in Action

Desired Student Background

We are seeking students with a wide range of backgrounds: math, physics, computer science, psychology, art… Those who like to play with machines or who are thoughtful about the role of visual media are particularly welcome. Visit us in St. Mary’s or on web http://www9.georgetown.edu/faculty/kainen/Lab4VM.html

Where our Alumni are Today

Adam Persing (Physics, Mathematics ’08, MS in Math, ’09)
Studying for Ph. D. at Imperial College, London.
First GUROP assistant, founder of psychophysics club.

Jun Oh Yoon (Economics, Mathematics ’08, MS in Math, ’09)
Financial analyst in the DC area. Second GUROP assistant.

SPONSORS INCLUDE: THE DEAN’S OFFICE, THE PROVOST’S OFFICE, CENTER FOR NEW DESIGNS IN LEARNING AND SCHOLARSHIP, PSI CHI INTERNATIONAL HONOR SOCIETY, and THE DEPARTMENTS of BIOLOGY, CHEMISTRY, COMPUTER SCIENCE, LINGUISTICS, MATHEMATICS, PHYSICS, and PSYCHOLOGY