

2009 Research Experience for Undergraduates

Mathematical Approaches to Image Processing

Advisors: Professors Sung Ha Kang and Maria G. Westdickenberg

Description: Looking for one or two undergraduates (preferably juniors or seniors) to do a summer REU in the area of mathematical approaches to image processing. The student(s) will learn about some of the open challenges and will choose one of several possible problems on which to focus. The project is expected to involve a combination of numerics and mathematical analysis. No background in image processing is required, however some computational experience is desirable. Stipend is \$5000 for eight weeks of research.

See www.math.gatech.edu/~kang and www.math.gatech.edu/~maria for research interests.

Mathematics REUs on many other topics are available. For general announcement and eligibility information, see www.math.gatech.edu/academic/PDFs/REU09.pdf.

How to apply: Send transcript (informal ok), letter of interest, CV, list of math classes taken including current semester, and the name of one GA Tech math professor to serve as a reference OR one letter of recommendation from a mathematics professor outside of GA Tech by 11 March, 2009 to Professor Matthew Baker (mbaker@math.gatech.edu).