

Research Opportunity for Graduate Students in Computational Mathematics

A **graduate research assistantship** (master-level) is available in the Department of Mathematics to participate in an interdisciplinary research project titled “Theory and Application of Hierarchical Matrices in Multiscale Problems”. The research focuses on the development (theoretical analysis and practical implementation) of new mathematical tools for the design of efficient iterative solvers for problems arising in Computational Fluid Dynamics. Participants get valuable exposure to the challenges and rewards of a scientific career.

Some background in numerical mathematics and programming experience in C/C++ or MATLAB is desired. Math majors will be preferred.

Stipends of \$9,600 per year plus tuition are available to the successful applicant (starting Fall 2005 for 3-4 semesters).

Candidates are selected on the basis of academic achievement, personal motivation, and the compatibility of their interests with the project.

Students interested in the position may request further information by contacting

Sabine Le Borne
Assistant Professor of Mathematics
sleborne@tntech.edu

Applications should include a resume and a statement of interest. Applications will be considered until the position is filled.

Special consideration: Female/minority/disability students are urged to apply.