

Multilevel Computation Tetrahedron

- Faculty:** Tom Manteuffel and Steve McCormick
- Postdocs:** Brian Bloechle, Jeffrey Heys John Ruge, Hans DeSterck, Jens Schmidt
- Grad Students:** Travis Austin, James Brannick, Tim Chartier, Andrea Codd, Scott MacLachlan, Hugh MacMillan, Josh Nolting, Luke Olson, Oliver Roehrl, Chad Westphal
- Undergraduates:** Ian Derrington, Patrick Hofmann, Nancy Mezo, David Wolpoff

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Papers In Progress

- T. Austin, "A Least Squares Finite Element Method for the Neutron Transport Equation with Anisotropic Scattering," in progress.
- M. Berndt, T. Manteuffel, S. McCormick, and G. Starke, "Analysis of First-Order System Least Squares (FOSLS) for Elliptic Problems with Discontinuous Coefficients: Part I," in progress.
- M. Berndt, T. Manteuffel, S. McCormick, and G. Starke, "Analysis of First-Order System Least Squares (FOSLS) for Elliptic Problems with Discontinuous Coefficients: Part II," in progress.
- B.W. Bloechle and H. Rajaram, "Multi-phase Effective Models of Solute Transport in an Individual Fracture," in progress. Paper is still in progress and should be submitted to Water Resources Research in the next month or two under the following reference: B.W. Bloechle and H. Rajaram, "A Kinetic Two-Phase Effective Model of Solute Transport in an Individual Fracture," in progress.

B.W. Bloechle and H. Rajaram, "The Influence of Nonlinear Irreversible Surface Reactions on Taylor Dispersion in an Individual Fracture," in progress. This paper has been submitted under the following reference: B.W. Bloechle and H. Rajaram, "On the Influence of Nonlinear Irreversible Surface Reactions on Taylor Dispersion in a Parallel-Plate Channel," submitted to Chemical Engineering Science.

H. MacMillan, "First Order System Least Squares for Electrical Impedance Tomography I: Theory," in progress.

H. MacMillan, T. Manteuffel, and S. McCormick, "First-Order System Least Squares and Electrical Impedance Tomography: part II, in progress.

T. Manteuffel, S. McCormick, and S. Kim, "First-Order System Formulations for Oseen Equations", in progress.

B.W. Bloechle and H. Rajaram, "A Spatial Moments Analysis of Solute Transport in a Parallel-Plate Fracture-Matrix System," submitted to Water Resources Research. This paper is being revised, but may get folded into another paper. I don't have a working title for the new paper at this time.