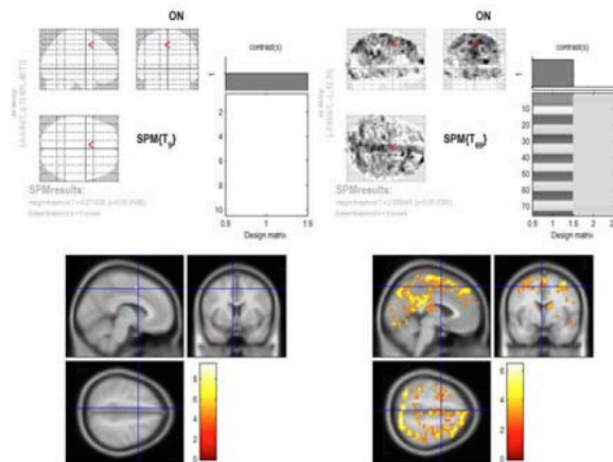


Mathematics Education Colloquium

Join Us!

fMRI Imaging in Mathematics Education



April 30, 2009 Room TBA at 12:00

Speaker: Sarah Bednarski, University of Georgia

fMRI imaging allows researchers to measure increases in oxygenated blood flow to specific parts of the brain, indicating that those portions of the brain are currently active. By carefully designing tasks and observing subsequent brain activity, researchers have the ability to roughly map different cognitive activities to different physical locations in the brain. This technology has the potential to widely impact educational research, as it could shed new light on task design, assessment, and theories of learning.

Sarah Bednarski is a Master's student in statistics at the University of Georgia. Her research has focused on the available design and analysis techniques of fMRI studies to address scientific questions, including those in the field of mathematics education.