

**WPI MATHEMATICAL SCIENCES DEPARTMENT**

**PRESENTS:**

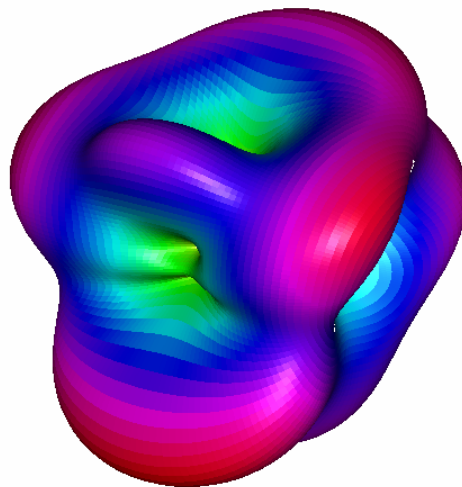
**C O O L M A T H T A L K S**

**Vadim Yakovlev**

**On the Hot (Red) Spots  
or, Nuts & Bolts of Modern Electromagnetic Modeling**

**Abstract**

We will consider a brief overview of some basic aspects of numerical mathematics efficiently working in high frequency electromagnetics. The ultimate goal of the presentation would be to demonstrate that advanced math and modeling may be really crucial for development of modern technologies. Not too many formulas but enough "live" electromagnetic simulations and 2D-/3D-visualizations – like this:



**Tuesday, November 4, 2003**

**4:00 PM**

**SL105**

**Pizza and soda will be served**