

# Physics Seminar

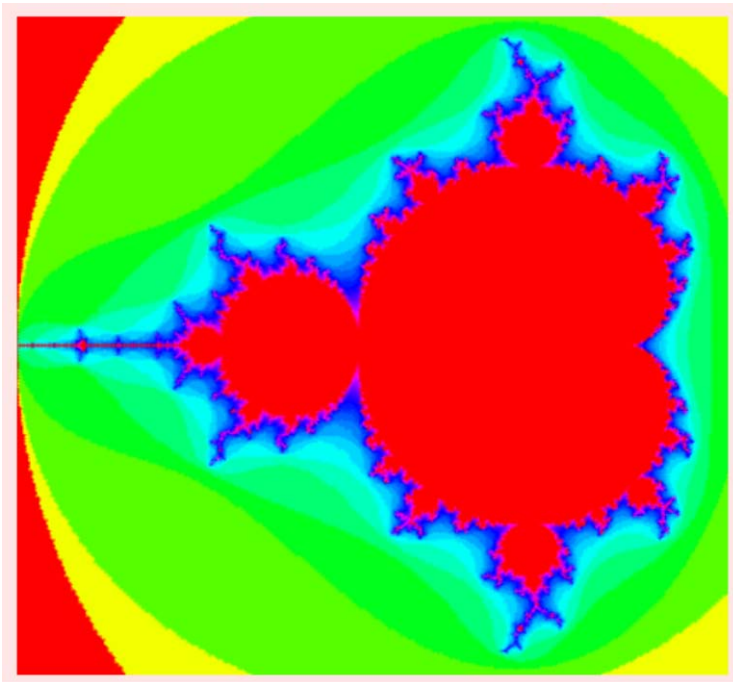
Wednesday 1/27/2010, 4:30 pm  
Science & Engineering Building Auditorium

**Sheng-Chiang “John” Lee**

Department of Physics  
Mercer University

## Introduction to Mathematica Brief Overview of Features

(followed by Q & A)



A premier scientific computational software, Mathematica 7 has been introduced to the campus for over a year now. It has been used in my upper level physics courses to visualize abstract mathematical equations and provide additional physical insights. This presentation is an attempt to advance its usage and maximize the benefit it can bring to this campus.

Basic operations of Mathematica will be introduced in this presentation, including basic calculations, defining functions, programming, graphing (visual presentation), and data processing. Mathematica also provides a complete built-in help system that makes self-learning a much easier task.

A significant portion of the seminar will be devoted to questions and discussion. Without being a math and/or programming wizard, I am hoping to provide as much as I can, and collect unanswered questions for our next gathering.

*Please join us for light refreshments at 4:15pm outside SEB 203.*