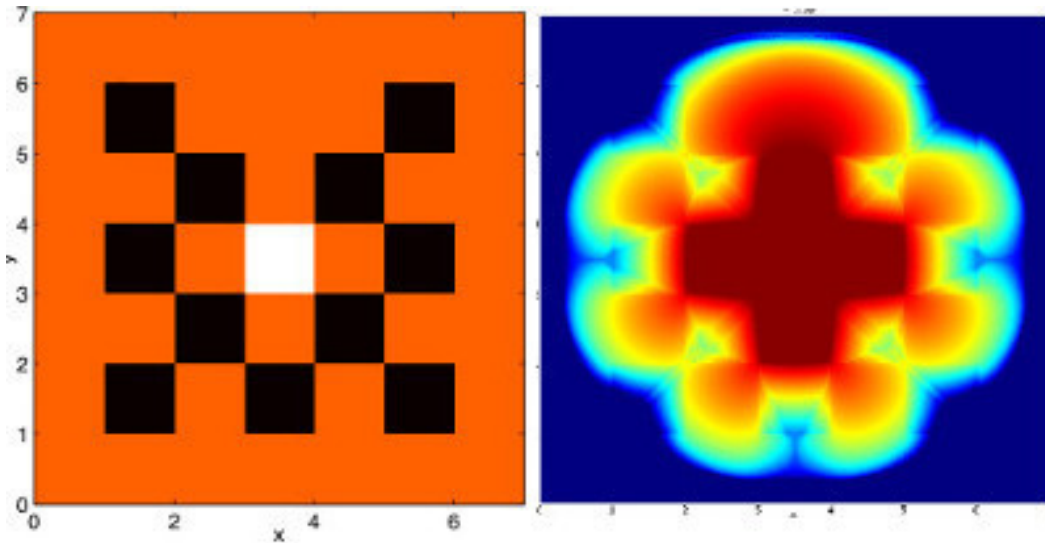Departmental Seminar Series presents:

Prince Chidyagwai

Loyola University Maryland
Mathematics and Statistics Department
March 21, 3:00pm, KH 309

A Computational approach to solving the M_1 model for Radiative Transport

ABSTRACT

The M_1 model is a system of Partial Differential Equations (PDEs) that describes radiative transport in some physics and engineering applications. In this talk I will introduce the model and a computational approach for solving it. I will discuss numerical challenges posed by the system of PDEs and introduce the finite element method for solving PDEs. I will conclude with numerical results.

This talk will be accessible to Juniors and Seniors.

Refreshments will be served