

CSU's MATH CLUB PRESENTS

# Introduction to Functional Iteration

*Patrick Donaghue*  
*CSU MATH student*

This will serve as a brief introduction to Functional Iteration. This presentation will introduce the bijection algorithm and solve fiber optic wave guide coupling equations. There will also be a discourse on fixed point iteration and a description of the Mandelbrot, filled Julia, and Julia sets. Based on time constrain an overview of finite difference solution to the heat equation will be presented.



**Pizza and Soda  
are provided!**



**WHERE**

**SR - 152**

**WHEN**

**11:30 - 12:20**

**Thursday, Dec 1<sup>st</sup>, 2016**