

# Math (Enthusiast) Series

Joy 110 @ 3:15pm and 3:45pm



Everyone interested in mathematics is welcome to attend the last (and most impressive!) TMath 450's presentations Thursdays March 9<sup>th</sup>!

3/9/17 3:15-3:35pm | Kevin Bednar & Andres Leise (Capstone)

## Probability in Financial Math!

This talk will discuss Probability and applications to the Financial world. There will be a focus on the Central Limit Theorem and Brownian motion, and how it applies to a famous financial model called Black-Scholes. There will be mentions of binomial trees and

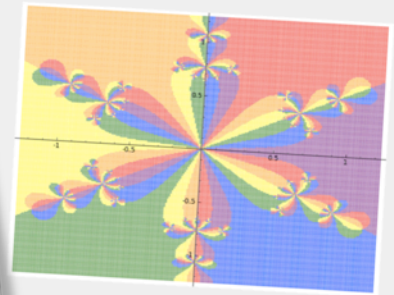
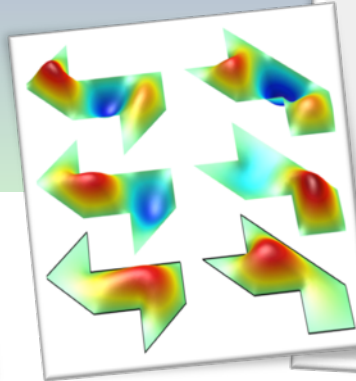
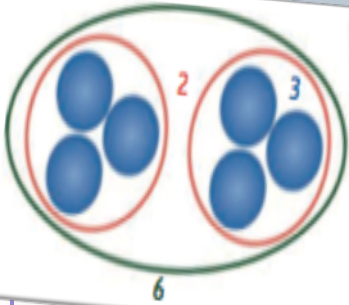
3/9/17 3:45-4:05pm | Marion (Tibayan) LaRocque (Capstone)

## Joint Distribution Fitting on Fuels for Smoke & Emissions Inventories

Wildfire emissions estimates are based on dynamic fuel loadings, the accuracy and uncertainty of which are not well understood. We highlight the marginal and joint distributions, that determine the fit of fuels through the variance-covariance matrix. Exploratory analysis will be shown and discussion of the uncertainty is quantified through random draws.

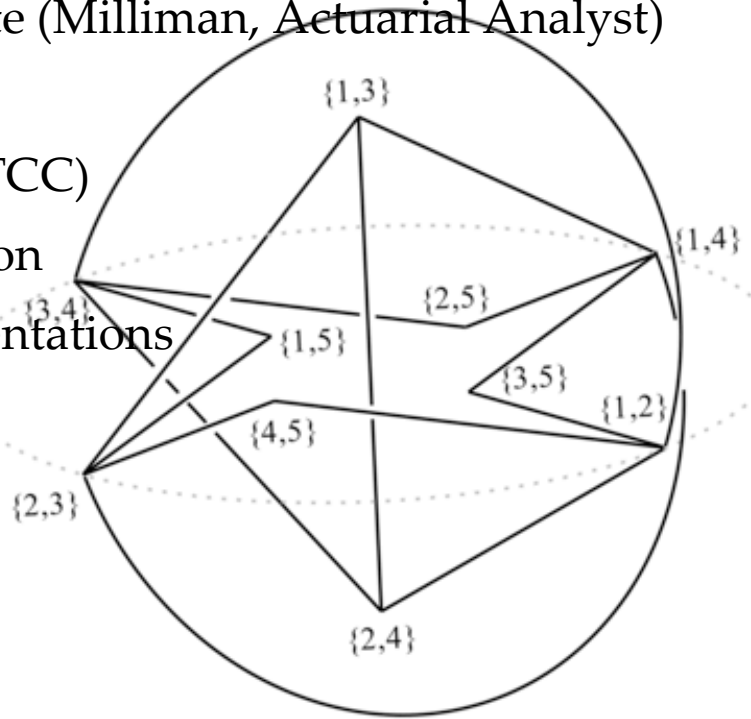
# Math (Enthusiast) Series

Joy 110 @ 3:15 unless otherwise indicated



Everyone interested in mathematics is welcome to attend TMath 450's presentations most Tuesdays of Winter quarter (and some Thursdays!)

1/10/17 Tuesday	Dr. Courtney Thatcher (UPS, topologist)
1/17/17 Tuesday	Dr. Yajun An (PLU, applied mathematician)
1/24/17 Tuesday	Kari Treese (teacher & UWT alum)
2/9/17 <b>Thursday</b>	Dr. Rob Fisette (Milliman, Actuarial Analyst)
2/21/17 @4:05pm	Career Panel
2/28/17 Tuesday	Scott Davis (TCC)
3/2/17 Tuesday	Ander Erickson
3/9/17 <b>Thursday</b>	Student Presentations



Petersen embedding with  $Z_4$  symmetries