



College of Science and Mathematics
Department of Mathematics

MATH TALKS 2011-2012

The Department of Mathematics weekly seminar series. Math Talks is open to all KSU faculty, students, and invited visitors to present any math or math-related topic. Seminars typically require little or no advanced mathematical knowledge are open to anyone.

*Unless specified otherwise, seminars are held **Thursdays 12:30-1:45 pm** in **MS 109**.

Thursday, April 26, 2012

- Speaker: **Dr. Eli Levin**, The Open University of Israel, Israel
- Title: *Generalized Christoffel Functions and Extremal Problems*

Thursday, April 19, 2012

- Speaker: **Huy Huynh**
- Title: *Estimating the Maximum Probability of Categorical Classes and Applications to Biological Diversity Measurement*

Thursday, April 12, 2012

TALK

- Speaker: **Dr. Carolyn Yackel**, Mercer University
- Title: *Observing Math in Temari; Making Temari to Make Visual Math*
- Abstract: Even though wallpaper stores have books and books full of designs, mathematicians know there are only 17 basic wallpaper patterns. Would you believe that there are only 14 basic finite spherical symmetries? We will examine the classification of finite spherical symmetries and delight in their visual representation via the traditional Japanese art of embroidered thread balls, called temari.
- Bio: Carolyn Yackel was educated at the University of Chicago (B.S.) and at the University of Michigan (M.S., Ph.D.), where she trained as a commutative algebraist. She's now an associate professor at Mercer University, where she studies the implications of mathematics for fiber arts and vice versa--an emerging field usually referred to as math and fiber arts. This subject brings her much joy as it marries her two loves. She enjoys working both alone and with her major collaborator, Sarah Marie Belcastro, with whom she recently edited their second book, *Crafting by Concepts*

WORKSHOP

- Temari Making Workshop: 2-5pm CL 1009
- Title: *Observing Math in Temari; Making Temari to Make Visual Math*
- Abstract: In the course of this workshop, participants will begin to make their own temari ball. Participants will be given hard copy instructions for crafting a temari, and will be introduced to basic techniques for wrapping and stitching a temari, including pin placement and guideline wrapping for a complex-8 subdivision (octahedral/cubic projection onto the sphere). The only prerequisite skills are the abilities to thread a needle and to follow directions. ***NOTE: all materials will be provided but we ask you to kindly let us know by email to ybabenko@kennesaw.edu if you plan to attend the workshop so we can plan the purchases accordingly

Thursday, March 15, 2012

- Speaker: **Dr. Erik Westlund**, Kennesaw State University
- LaTeX Workshop Session 2

Thursday, February 23, 2012

- Video: Narrator – Terry Jones, BBC
- ***The Story of 1 (One)***
- Description: The story of the number one is the story of Western civilization. Terry Jones (of Monty Python's Flying Circus) goes on a humor-filled journey to recount the amazing tale behind the world's simplest number.

Thursday, February 16, 2012

- Speaker: **Dr. Erik Westlund**, Kennesaw State University
- LaTeX Workshop Session 1
- Abstract: This first session is purely for beginners and discusses the philosophy, basic features, and provides information on how to acquire and start to use LaTeX.

Thursday, February 2, 2012 – SPECIAL TIME AND LOCATION

- Speaker: **Dr. Patrick Bahls**, University of North Carolina, Ashville
- Title: *The Traditional Mathematics of Peru*
- Abstract: This is part of the Year of Peru program sponsored by the Institute for Global Initiatives.
- Time/Location: 12:30-2:00 pm in SO 1019

Tuesday, January 24, 2012

- Speaker: **Dr. Flor Espinoza Hidalgo**, University of New Mexico
- Title: *Analysis of the Organization and Dynamics of Proteins in Cell Membranes*
- Job Candidate Talk

Thursday, January 19, 2012

- Speaker: **Dr. Zhenjun Shi**, Central State University
- Title: *Optimization Methods in Mathematics*
- Job Candidate Talk

Tuesday, January 17, 2012

- Speaker: **Dr. Marlana Español**, California Institute of Technology
- Title: *A Gamma-convergence analysis of the quasi continuum method*
- Job Candidate Talk

Thursday, November 17, 2011

- Speaker: **Michael Nelson**
- Title: *AM-GM inequality and its generalizations*

Thursday, November 3, 2011

- Speaker: **Dr. Sherry Ni**, Kennesaw State University
- Title: *SAS Data Mining Shootout Project*

Thursday, October 27, 2011

- Speaker: **Dr. Yuliya Babenko**, Kennesaw State University
- Title: *Voting Theory, Part II: Arrow's Impossibility Theorem*

Thursday, October 20, 2011

- Speaker: **Ken Keating**, Kennesaw State University
- Title: *Creating a Personal Web Page*

Thursday, October 6, 2011

- Speaker: **Dr. Yuliya Babenko**, Kennesaw State University
- Title: *And the winner is ...?*

Thursday, September 29, 2011

- Speaker: **Dr. Bo Yang**, Kennesaw State University
- Title: *Dynamical Systems*

Thursday, September 15, 2011

- Speaker: **Dr. Josip Derado**, Kennesaw State University
- Title: *Bits and Pieces*