



**Schedule for Joint AMATYC/KSMAA Conference
May 1 & 2, 2009
Pittsburg State University**

Friday, May 1, 2009

7:00 pm **Registration** **Yates Lobby**

6:15 pm Kansas Mathematics Competition Coaches meeting **Yates 107**

7:30 pm **General Session** **Yates 102**

Welcome

Tim Flood, Chair,
Mathematics Department, Pittsburg State University

Keynote Address

The Mathematics of Identification Numbers
Joseph Gallian, MAA National President
University of Minnesota – Duluth

8:30 – 10:00 pm **Reception** **Heritage Room
Overman Student Center**

Saturday, May 2, 2009

7:45 – 8:25 am Registration and Continental Breakfast Yates Lobby

7:45 – 8:25 am Departmental Representatives Informal Meeting Yates 107

8:30 – 9:30 am Keynote Address Yates 102

Using Mathematics to Create Symmetry Patterns
Joseph Gallian, MAA National President
University of Minnesota – Duluth

9:35 – 12:35 5th Annual Kansas Mathematics Competition Yates 225 & 226

9:40 – 10:30 am Contributed Talk Session 1

1-A Yates 102

*The National Alliance of Concurrent Enrollment Partnerships:
What Accreditation Means for Concurrent Enrollment,*
Bill Osborn, Johnson County Community College

1-B Yates 107

*Is the Ratio of Development and Recapitulation Length to Exposition
Length in Mozart's and Haydn's work equal to the Golden Ratio?,*
Ananda Jayawardhana, Pittsburg State University

1-C Yates 215

The Existence of Morse-Smale Diffeomorphisms in the Family of Hénon Maps,
Shawn Wiggins, graduate student, Wichita State University

10:35 – 11:00 am Contributed Talk Session 2

2-A Yates 102

Topical Discussion: Dual Credit,
Moderator: Steven J. Wilson, Johnson County Community College

2-B Yates 107

*Efficient implementation of web-based (Maple TA) skill exams for
Precalculus, Calculus I and Calculus II in one computer lab,*
Estela A. Gastovo, Erika Ward, and Lynne Yengulalp, University of Kansas

2-C Yates 215

Objective Assessment,
Timothy Warkentin, Cloud County Community College

11:00 – 11:15 am Break

11:15am – 12:05 pm Contributed Talk Session 3

- 3-A** **Grubbs 201**
Studio College Algebra,
Andrew G. Bennett, Kansas State University
- 3-B** **Yates 107**
Some Common Situations in Teaching & Learning Mathematics,
Prem N. Bajaj, Wichita State University
- 3-C** **Yates 215**
Inverse Electromagnetic Scattering: Uniqueness of Obstacle,
Deepak Aralumallige Subbarayappa, graduate student, Wichita State University
- Pricing Options Using the Binomial Model,*
Dusty Peterson, graduate student, Pittsburg State University

12:10 – 12:35 pm Contributed Talk Session 4

- 4-A** **Yates 102**
Topical Discussion: Liberal Arts and College Algebra,
Moderator: Brian Howe, Barton County Community College
- 4-B** **Yates 107**
The Amazing E-6B Flight Computer (no electricity needed),
Elwyn Davis, Pittsburg State University
- 4-C** **Yates 215**
Creation of an Interdisciplinary Degree,
Bobby Winters, Pittsburg State University
- 4-D** **Yates 216**
Studying Ramsey Numbers with Coxeter Diagrams and Cayley Graphs,
Jonathan Denning, undergraduate student, Tabor College

2:45 – 3:35 pm Contributed Talk Session 6

6-A

Yates 107

Astrophysics and Undergraduate Mathematics,
Craig Masters, Kansas Wesleyan University

Development of a Course on Discrete Wavelets and Applications,
Qiang Shi, Emporia State University

6-B

Grubbs 201

Winplot's 3D Graphing Features,
Uwe Conrad, Cowley College

6-C

Yates 215

The Obstacle Problem,
William Carlson, undergraduate student, Kansas State University

*Single-Site Parameters from Bulk Absorption Spectra:
Fitting Procedure and Error Analysis,*
Michael Reppert, undergraduate student, Kansas State University

3:40 – 4:40 pm Business Meetings

KAMATYC Business Meeting

Yates 107

KSMAA Business Meeting

Yates 102