

SIGMAA MCST Activities at the Joint Math Meetings 2011

MAA Contributed Paper Session: Fostering, Supporting, and Propagating Math Circles for Students and Teachers, I

- Thursday, January 6, 8:00-11:00 St. Jerome, 3rd Floor, JW Marriott
- Organizers: Elgin Johnston, Tatiana Shubin, James Tanton
- Approximately 60 session attendees

Presentations

- 8:00** - James Tanton: A Sampling of Successful Math Topics
- 8:20** - Manda Riehl: Creating a Math Circle for Underrepresented Minority Students
- 8:40** Silva Chang*, Anne M Dougherty, Sophie Math: A Math Circle Program for Girls
- 9:00** Paul Zeitz: The San Francisco Math Circle: An Experiment in Providing Mathematical Enrichment to "Unenriched" Students
- 9:20** Paul Zeitz: San Francisco Math Circle: Examples of Good "Small Group" Mathematical Activities
- 9:40** Angela Hodge: Obtaining Funding for a Math Teachers' Circle: One Group's Journey
- 10:00** Dave Auckly: Resources for Math Circles
- 10:20** Diana White: Math Teachers' Circles - Impacting Teachers' Mathematical Knowledge for Teaching
- 10:40** Brianna Donaldson*, Diana White: How Do Math Teachers' Circles Affect Teachers? Themes from Teacher Surveys.

SIGMAA MCST Business Meeting

- Friday, January 7, 7:30 to 9:00 AM
- Officers present: Tatiana Shubin, Jim Tanton, Sam Vandervelde, Phil Yasskin, Ed Keppelmann, Diana White, Amanda Serenevy

MAA Contributed Paper Session: Fostering, Supporting, and Propagating Math Circles for Students and Teachers, II

- Saturday, January 8, 8:00-11:00 St. Jerome, 3rd Floor, JW Marriott
- Organizers: Elgin Johnston, Tatiana Shubin, James Tanton
- 60 session attendees

Presentations

- 8:00** - Philip Yasskin: Texas A&M Summer Educational Enrichment (SEE-Math) for Middle School Students: Organization and Technology

- 8:20** - Nathan Carlson: A Tale of Two Circles
- 8:40** - Jeffery McLean: Gnomons at the Teacher Circle
- 9:00** - Sergei Tabachnikov: GEM (Guided Exploration in Mathematics) Seminar at State College High School
- 9:20** - Paul Zeitz: San Francisco Math Circle: More Examples of Good “Small Group” Mathematical Activities
- 9:40** - Brandy Wiegers*, Yuan-Juang Yvonne Lai: San Francisco Math Circle (SFMC) Mathematics and Community Attitudes Survey and Evaluation Tool
- 10:00** - Sam Vandervelde: Yielding the Floor: Student-Driven Math Circles
- 10:20** - Ted Theodosopoulos: Problem Solving Paradigms for Mathematical Research
- 10:40** - Tatiana Shubin: Math Circles Library

Exhibition: Math Wrangle

- Saturday, January 8, 1:00-2:30, Balcony L, Marriott
- Organizer: Steven Dunbar
- Jurors: Ed Keppelmann, Sam Vandervelde, Paul Zeitz
- Participants: 4 local high school students
- 23 session attendees

Math Circle Demonstration

- Sunday, January 9, 9:00-11:00, Great Ballroom E, 5th Floor, Sheraton
- Organizers: Ed Keppelmann, Tatiana Shubin, James Tanton
- Leader: James Tanton
- Participants: 15 Local Middle and High School Students
- 20 session attendees

9:00 - Exploding Dots

9:50 - Break

10:00 - Weird Multiplication

10:40 - Break and Discussion