



EPADEL

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Student Chapter Newsletter

Hello and Welcome

Welcome to our second semiannual Student Chapter newsletter. I was absolutely thrilled with the positive responses I received from our first newsletter. This semester's newsletter is even more packed than the first one. We again have updates on our local chapters as well as information on the upcoming EPaDel meeting. We had a record number of submissions to last year's student paper competition. Do you want to know who won? Read below to find out where the winner's name will be announced. In addition to all of this, there is a fantastic found math picture from Bryn Mawr College and a very tricky riddle. Do you think you can solve it? As always, I welcome any and all submissions from either students or faculty for future newsletters. Are you interested in contributing to the Spring 2013 newsletter? Keep reading to find out how.

EPaDel Fall Meeting

EPaDel's Spring meeting will be held at Millersville University on October 27, 2012.

Students who attend the meeting will receive a certificate that can be redeemed for a \$10 MAA student membership. That is a savings of \$20 off the normal rate (\$30).

Deadline for pre-registration is October 12, 2012.

[Click here](#) to register online

[Click here](#) to register by mail



Chapter Update
Kings College

King's junior math major students presented their "Axiom Systems" at the 2012 Spring EPADEL meeting. All math majors must take a proof writing course in their freshman year at King's. Each student is assigned to create an axiom system as their final project in the course. They design their own axioms, and examine their consistency and independency of the models. Further, they make several theorems based on their axiom systems.

As juniors, the students rework their axiom systems they made three years ago in order to give a public presentation such as at mathematics department colloquium or at an EPADEL meeting.

Chapter Update
Bryn Mawr College

Last spring the MAA Student Chapter at Bryn Mawr College prepared a number of activities in honor of Math Awareness Month.

So far this fall we have been involved with the residency of mathematician and choreographer Karl Schaffer of De Anza College and the Dr. Schaffer and Mr. Stern Dance Ensemble.



Kings College students along with their advisers participated in the Spring 2012 EPADEL meeting. From Left to Right: Dr. Daniel Ghezzi, Mr. Carmelo Pawelzik, Ms. Katherine Chvotzkin, Mr. Michael Griffith, Dr. Ryo Ohashi.

Opportunities For Students

Are you an undergraduate who has been working on a project? EPaDel has two great opportunities for you

1. Give a student talk at our Fall meeting. Talks should be approximately 10 minutes in length and can be expository or research oriented. Student speakers will receive free registration and a Certificate of Recognition from the MAA. Deadline for submission is October 12, 2012. [Click here](#) for more information.
2. Submit a paper for EPaDel Section's Student Mathematical Papers Prize Competition. Submissions are due by June 15, 2013. [Click here](#) for more information. The winner of our 2012 Student Paper Competition has been selected, and will be announced at our Fall meeting.

Chapter Update St Joseph's University

We have started a new student seminar program with colloquia talks and information sessions. We also celebrated Torus Day, Pi Day, and Math Awareness Day the latter by screening the movie: *The Derivative vs. The Integral: The Final Smackdown*.

Chapter Update Wilkes University

Our Student Chapter officers for the current academic year are Edwin Colon, Mary Olson, Lewis Stalbird, and Kevin Hernandez. We recruited new members at the University's annual "Club Day", which took place on September 6. We are currently helping with preparations for the 2012 ACM International Collegiate Programming Contest (Mid-Atlantic Region), to be held at Wilkes on November 10. Maybe we'll see some of you from other schools that day, participating in the ACM Contest!

Chapter Update East Stroudsburg University

ESU's math club, Euclid's Elements, meets monthly. We have investigated topics in taxicab geometry, Mathematica demonstrations, and Bezier curves. Some members will be attending the PCTM meeting this fall.

Chapter Update Shippensburg University

The Ship Math Club kicked off the new academic year with its annual fall picnic, and on the very same weekend, we welcomed over a dozen teams from the region to participate in the 24-hour Fourth Annual Cumberland Valley Mathematical Modeling Challenge. As with many of our department events, student volunteers from the Math Club were essential to the success of this event. Our fall semester traditions also include game nights and a holiday party.

Chapter Update
La Salle University

Our La Salle University Math Club (aka MAA Student Chapter) got together to bake pies during the week of March 14th, and brought them into school for consumption during the watching of the humorous MAA video "The United States of Mathematics Presidential Debate" featuring Colin Adams and Thomas Garrity (the "sequel" to the Great Pi/E Debate").

The students also held a "Bowling for Primes" night. Most importantly, they conducted an induction ceremony for 19 new members of La Salle's chapter of the Kappa Mu Epsilon mathematics honor society this Spring. The featured speaker for this event was Dr. Robert Styer of Villanova University, whose talk was entitled "Bouncing Balls and Geometric Series".



Top Right: Dr. Styer, speaker at La Salle's KME induction ceremony creates a leaning tower of blocks (Jenga blocks) that will not tip over. Above: La Salle's Spring 2012 KME inductees.

Fun and Games!!

EPaDel meetings offer a wide variety of opportunities for undergraduates to learn about new topics in mathematics. However, sometimes on a Saturday you would rather just be playing games. Why not do both???? Come to the Fall 2012 EPaDel meeting and attend the Undergraduate Session on Games. This meeting's topic is "The Game of Set: Counting Problems and Underlying Geometry." Join Liz McMahon and Gary Gordon from Lafayette College as they explore this fun game. For more information click [here](#).

Chapter Update Bucknell University

Our officers for this academic year are Hillary Dunn, Samantha Gosnell, Jenna Massi, Allison Gibson and Bonnie Reiff. Some of the plans for this year include: a tangram night for families, a pi walk and a math joke contest. A highlight that we're thinking about for the spring is a trip to the soon-to-be-opened Museum of Math in New York City.

Chapter Update University of Scranton

We hosted the Northeastern Pennsylvania Collegiate Mathematics Consortium Dinner Meeting in April with guest speaker Prof. William Dunham of Muhlenberg College. We are planning to take part in the Cumberland Valley Math Modeling Challenge in September at Shippensburg University, the Virginia Tech Regional Math Contest in October, and the Putnam Mathematical Competition in December.

Chapter Update Ursinus College

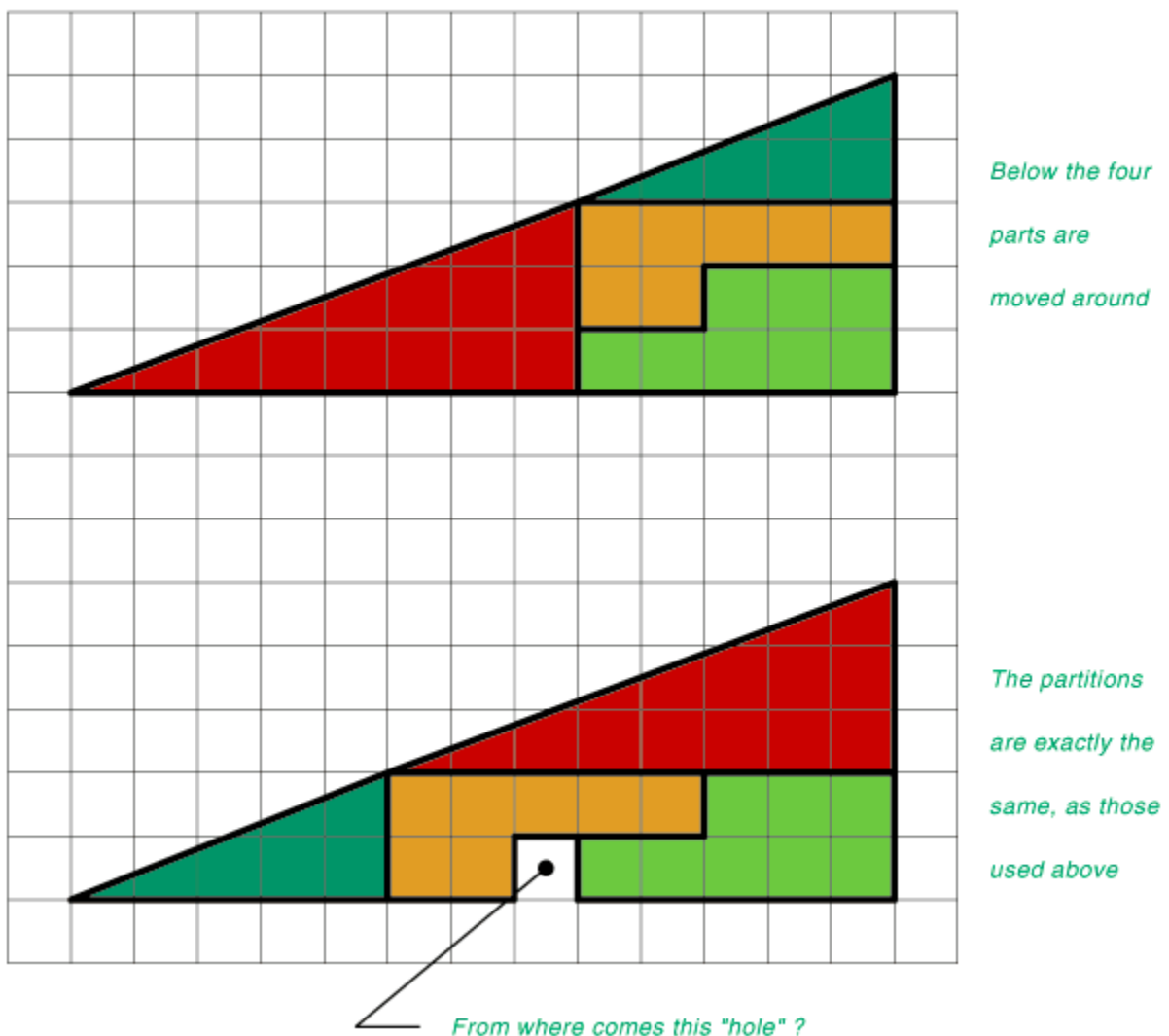
Ursinus's student MAA chapter has been busy since the last update. They have hosted a Fall 2012 Welcome event open to all students and faculty, on campus Sudoku Tournaments, on campus Geek week in collaboration with other student chapters, and co-organized panel sessions on graduate programs and graduate research talks with participation of former Ursinus students. The chapter sponsored students to attend the spring 2012 EPaDel conference and plans to partially sponsor additional students for the Joint Mathematics Meetings in San Diego, CA on January 2013.

For the Mathematics and Computer Science seminar series "Mobius Talks" the chapter has invited several guest speakers. In September 2012, Dr. Enrique Trevino of Swarthmore College who spoke on "A twist on a geometry puzzle," and planned for October 2012 (on 10/23/2012) is Dr. Ken Brakke from Susquehanna University who will talk about "Soap Films and Time Machines."

Here is a Puzzle for You

This puzzle was supplied by Dr. Stephen Andrilli from La Salle University. The author is unknown. Can you figure it out? Students, write up a solution to this puzzle, and the best ones will be published in next semester's newsletter.

HOW CAN THIS BE TRUE ?



Do you have a favorite math riddle or puzzle? Share it in one of our newsletters and we will publish some of the responses in the following edition. Email solutions to this puzzle or submissions of new riddles/puzzles to me Dr. Ellen Panofsky, Student Chapters Coordinator, Ellen.Panofsky@temple.edu.

Found Math

This photograph of found math comes to us from Dr. Amy Myers of Bryn Mawr College. The roof on their gym is a minimal surface.



Students, we would love to have you contribute photographs of found math on your campus. In 2007, the MAA began featuring new math related photographs each week on their website. We would like to see what we can find in the EPaDel region. [Click here](#) for examples.

Send your submissions to Dr. Ellen Panofsky, Student Chapters Coordinator, Ellen.Panofsky@temple.edu.