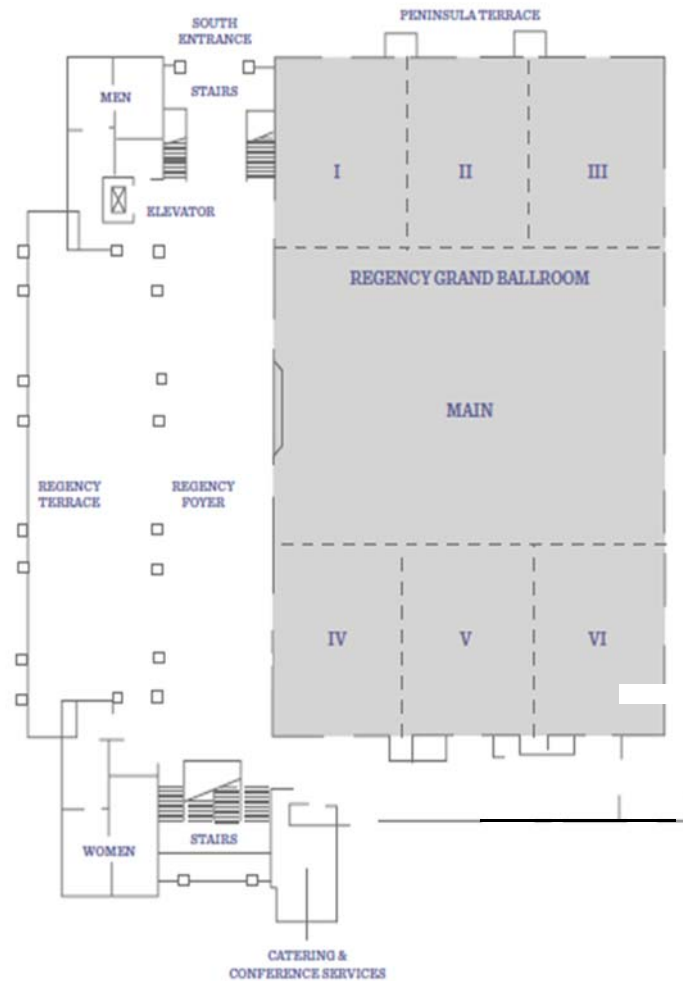


Friday Keynote 7 - 9 pm Regency IV-VI	Planet 9 from Outer Space	Saturday Keynote 1:00 - 2:15 pm Regency Ballroom	Math Saves the Day
	Konstantin Batygin CalTech <i>Joseph Conrad, Solano College</i>		Brandy Wieggers Central Washington University <i>Katia Fuchs, City College of San Francisco</i>
Saturday Sessions	9:00 - 10:00 am	10:30 - 11:30 am	2:30 - 3:30 pm
	Classroom Management Practices That Don't Hurt Our Students	All the Things You Aren't	Flipping Your Classroom
Regency I (General Interest)	Vanson Nguyen College of the Alameda <i>Mukta Sharma, Yuba College</i>	Darryl Allen Solano Community College <i>TBD</i>	George Woodbury College of the Sequoias <i>TBD</i>
	John Thoo Yuba College <i>John Burke, American River College</i>	Math Is Fun	Who's Afraid of the Big Bad Wolf?
Regency II (Issues and Panel)	Quantitative Reasoning - Global Numeracy, Global Change	Vik Hovsepian Rio Hondo College <i>Erin Kelly, Chabot College</i>	David Schroerlucke City College of San Francisco <i>Shawn Wiggins, City College of San Francisco</i>
	John Thoo Yuba College <i>John Burke, American River College</i>	Teaching a Prestatistics Course: Propelling Non-STEM Students Forward	ADJUNCT PANEL
Regency III (Developmental Ed)	English Learner in the Math Classroom	Jay Lehmann College of San Mateo <i>James Sullivan, Sierra College</i>	Geometrization of Time: Emergent Time as Mirror Symmetry
	Felicia Darling Santa Rosa Junior College <i>Jennifer Carlin-Goldberg, Santa Rosa Junior College</i>	Academic Math Camps Lead to Student Success	Coleman Dobson CSU Los Angeles <i>TBD</i>
Regency IV (PreCalc. and Above)	Roads? Where We're Going We Don't Need Roads!	Ken Rand Hartnell College <i>Claudia Abadia, Berkeley City College</i>	Into the Fifth Dimension: Einstein, Kaluza-Klein, and Doctor Who
	Trey Cox Chandler Gilbert Community College <i>Bruce Brant, Lake Tahoe Community College</i>	Best Practices: Reading to Learn, Writing to Think	Roderick Thompson City College of San Francisco <i>Darryl Allen, Solano College</i>
Regency V (Technology)	Get Your Math Classes into the Hands of Your Students	Wade Ellis West Valley College <i>TBD</i>	Developing Co-Requisite and Accelerated Statistics and Quantitative Reasoning Courses for Developmental Math Students
	Heather Schmidt 3C Media Solutions/Palomar College <i>Susanne Gunther, Solano Community College</i>	Three Challenges from Probability, and I Thought It Was So Obvious	Rachel Mudge, Foothill College, and Camelia National Faculty
Regency VI (Statistics)	Re-thinking Statistical Independence in the Introductory Statistics Course	Karl K. Ting Mission College <i>Charles Barnett, Las Positas College</i>	NO SESSION
	Lori Maloney Sacramento City College <i>Jacqueline Ferris, Modesto Junior College</i>	Dogged by Bad Luck? Me Too!	
		Charles S. Barnett Las Positas College <i>Joel Siegel, Sierra College</i>	

Welcome to the 45th Annual Fall Conference!

The Hyatt Regency Monterey



The event organizers are people *just like you* from various community college mathematics departments across Northern California. We are always looking for more eager volunteers with new ideas. Please consider getting involved with CMC³ by contacting a board member any time. Enjoy the conference!

The **California Mathematics Council Community Colleges Foundation** annually provides **scholarships** to honor our mathematics and science students. We need your financial help. We rely on your generosity and donations to fund the Scholarship Program.

Please consider making a donation to our CMC³ Foundation Scholarship Fund. Contributions are tax-deductible, as provided by law. Our tax ID # is 94-3227552.

Please donate in-person at the Foundation table!

CMC³ Board and Conference Committee

President:	Joe Conrad	Business Liaison:	Joe Conrad
Past-President:	Mark Harbison	Newsletter Editor (Est. Walk/Run):	Jay Lehmann*
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		Foundation Member:	Casey Terrill

*At-Large Board Members

CMC³ Presidents

1973 – 1974	James Curl	Modesto Junior College
1974 – 1977	Raymond Wuco	San Joaquin Delta College
1978 – 1979	Brandon Wheeler	Sacramento City College
1980 – 1981	Hal Andersen	Santa Rosa Junior College
1982 – 1983	Art Dull	Diablo Valley College
1984 – 1985	Pat Boyle	Santa Rosa Junior College
1986 – 1987	Shirley Trembley	Bakersfield College
1988 – 1989	Wade Ellis, Jr.	West Valley College
1990 – 1991	Denny Burzynski	West Valley College
1992 – 1993	Barry Wood	Santa Rosa Junior College
1994 – 1995	Debra Landre	San Joaquin Delta College
1996 – 1997	Chris Burditt	Napa Valley College
1998 – 1999	Michael Eurgubian	Santa Rosa Junior College
2000 – 2001	Lois Yamakoshi	Los Medanos College
2002 – 2003	Randy Taylor	Las Positas College
2004 – 2005	Rick Hough	Skyline College
2006 – 2007	Rob Knight	Evergreen Valley College
2008 – 2009	Larry Green	Lake Tahoe Community College
2010 – 2011	Barbara Illowsky	De Anza College
2012 – 2013	Susanna Gunther	Solano Community College
2014 – 2015	Mark Harbison	Sacramento City College
2016 – 2017	Joseph Conrad	Solano Community College

Past CMC³ President's Awardees (selected by the CMC³ President)

2002	Barry Wood	Santa Rosa Junior College
2003	Chris Barker	De Anza College
2004	Noelle Eckley	Lassen College
2005	Barbara Illowsky	De Anza College
	Zwi Reznik	Fresno City College
2006	Sandi Nieto	Santa Rosa Junior College

Past CMC³ President's Awardees (Continued)

2007	Randy Taylor	Las Positas College
2008	Mark Harbison	Sacramento City College
2009	Jim Spencer	Santa Rosa Junior College
2010	Robert Knight	Evergreen Valley College
2011	Larry Green	Lake Tahoe Community College
2012	Michael Eurgubian	Santa Rosa Junior College
2013	Ken Seydel	Skyline College
2014	Rebecca Fouquette	De Anza College
2015	Jay Lehmann	College of San Mateo
2016	Leslie Banta	Mendocino College

Past CMC³ Distinguished Service Awardees (selected by the CMC³ board)

1992	Ray Wuco	San Joaquin Delta College
1993	Frank Denney	Chabot College
"	Wade Ellis, Jr.	West Valley College
"	Brandon Wheeler	Sacramento City College
1994	Patrick Boyle	Santa Rosa Junior College
"	Arthur Dull	Diablo Valley College
1995	Hal Andersen	Santa Rosa Junior College
"	Sister Clarice Sparkman	San Jose City College
1996	James Curl	Modesto Junior College
1997	Guy De Primo	City College of San Francisco
1998	Allen Utterback	Cabrillo College
1999	Barry Wood	Santa Rosa Junior College
2000	Denny Burzynski	West Valley College
2001	Chris Burditt	Napa Valley College
2002	Wei Jen Harrison	American River College
2003	Marilyn McBride	Skyline College
2004	Michael Eurgubian	Santa Rosa Junior College
2005	Lois Yamakoshi	Los Medanos College
2006	Debra Landre	San Joaquin Delta College
2007	Dave Johnson	Diablo Valley College
2008	Chris Barker	De Anza College
2009	Rick Hough	Skyline College
2010	Jim Spencer	Santa Rosa Junior College
2011	Randy Taylor	Las Positas College
2012	Cynthia Speed	Mendocino College
2013	Rob Knight	Evergreen Valley College
2014	Barbara Illowsky	De Anza College
2015	Noelle Eckley	Lassen Community College
2016	Debbie VanSickle	Sacramento City College

2017 – Susanna Gunther – Solano Community College

As with the vast majority of those who have received this award, I had the privilege of serving on the CMC³ board for the better part of a decade. Prior to teaching community college full time, Susanna worked in the field of Optometry for ten years and this gave her an unusual perspective during the beginning of her career. Initially Susanna wanted to



work in both optometry and teaching, both part-time, and so for about 9 years Susanna chose to be an adjunct instructor at DVC, Ohlone College, Sacramento City College, and Las Positas College. After this she started to apply for full time employment. and soon after got the position at Solano College, where she still teaches. In Susanna's words, "I was VERY surprised when I was told that I was getting this award, as it is such an honor and I have so much respect for those who have been awarded before me. Besides, I almost feel a sense of guilt for getting awarded for doing something that I have enjoyed so much! That's not to say there wasn't a lot of work involved, but as any parent or spouse or Community College faculty member will attest to, nothing truly worthwhile is ever easy!" Thank you for your dedicated service, Susanna!

CONFERENCE PROGRAM - FRIDAY

4:30 – 6:30 pm	Registration	Regency Foyer
5 – 6:30pm	AB 705 Discussion	Regency IV-VI
7:00 - 8:00 pm	Dessert Reception	Regency IV - VI
8:00 - 9:00 pm	Keynote	Regency IV - VI

Konstantin Batygin, CalTech

k.batygin@gmail.com

Planet 9 from Outer Space



At the outskirts of the solar system, beyond the orbit of Neptune, lies an expansive field of icy debris known as the Kuiper belt. The orbits of the individual asteroid-like bodies within the Kuiper belt trace out highly elongated elliptical paths, and require hundreds to thousands of years to complete a single revolution around the Sun. Although the majority of the Kuiper belt's dynamical structure can be understood within the framework of the known eight-planet solar system, bodies with orbital periods

longer than about 4,000 years exhibit a peculiar orbital alignment that eludes explanation. What sculpts this alignment and how is it preserved? In this talk, I will argue that the observed clustering of Kuiper belt orbits can be maintained by a distant, eccentric, Neptune-like planet, whose orbit lies in approximately the same plane as those of the distant Kuiper belt objects, but is anti-aligned with respect to those of the small bodies. In addition to accounting for the observed grouping of orbits, the existence of such a planet naturally explains other, seemingly unrelated dynamical features of the solar system.

9:00 pm – Midnight

Windjammer Room

9th Annual Pearson Education Game Night

This event is open to everyone. The Pearson Math & Stats team invites you to an evening of games, hors d'oeuvres, and drinks at the CMC³ Monterey Conference! Join our team and our authors for food, conversation, and fun.

CONFERENCE PROGRAM - SATURDAY

7:20 am	Estimation Walk/Run	Meet by the Front Desk
8:15 am – 10:00 am	Registration	Regency Foyer
8:30 am – 1:00 pm, 2:00 pm – 5:15 pm	Exhibits open	Regency Foyer

First Session: 9:00 - 10:00 am

Regency I

(General Interest)

Vanson Nguyen

College of Alameda

vansonnguyen@peralta.edu

Classroom Management Practices That Don't Hurt Our Students

"I hate math because my teacher sucks." This is sometimes a quote that students share and can lead to disruption of the classroom. This workshop will present ideas around knowledge sharing and engaging the least motivated students to positively contribute to the classroom, and increase participation without compromising content coverage.

Regency II

(Issues and Panel)

John Thoo

Yuba College

jthoo@yccd.edu

Quantitative Reasoning - Global Numeracy, Global Change

Mathematical literacy (ML) is an important part of preparing students to understand global issues and engage the global community. Technology (e.g., spreadsheets) can help us design and/or supplement ML courses that bridge elementary mathematics and more sophisticated analytical tools. Participants will engage and be provided access to such course materials.

Regency III

(Developmental Ed.)

Felicia Darling

Santa Rosa Junior College

fdarling@santarosa.edu

English Learner in the Math Classroom

In this 45-minute, interactive workshop, participants will have the opportunity to experience how cognitively demanding it is to be a second-language learner learning math in the classroom. From this hands-on workshop, participants will gain empathy for their English learner students, and discuss ways that they can refine their strategies for supporting students learning math while simultaneously learning English.

Regency IV

(Precalculus and Above)

Trey Cox

Chandler-Gilbert Community College

trey.cox@cgc.edu

Roads? Where We're Going We Don't Need Roads!

Many students have a hard time differentiating (sorry for the pun) between distance, velocity, and acceleration and understanding how they are related to one another. This workshop will demonstrate how instructors can enhance their students understanding of these concepts using a "three-act-task" activity in the context of the classic movie, *Back to the Future!*

First Session: 9:00 - 10:00 am, continued

Regency V

(Technology)

Heather Schmidt

CCC Confer & 3C Media Solutions

hschmidt@palomar.edu

Get Your Math Classes into the Hands of Your Students!

We will share how using 3C Media Solutions can increase student success in your classroom. Learn how to store, organize and share videos and other file types. Upload videos, import YouTube videos, create custom playlists folders, embed videos into your LMS. Easy-to-use, available 24/7 and FREE to all California Community College faculty and staff.

Regency VI

(Statistics)

Lori Maloney

Sacramento City College

malonel@scc.losrios.edu

Re-thinking Statistical Independence in the Introductory Statistics Course

Most teachers of statistics know that the idea of independence can be very confusing to students, and that intuition about conditional probability is not very good. Yet the ideas behind independence are essential to many topics in the Introductory Statistics course. Two-by-two tables can be a good place to start the investigative cycle with students as well as build vocabulary and generate thoughtful discussion around important statistical concepts. Real-world applications related to social justice simultaneously engage students in Statistics and give them a de facto guess as to the direction of the relationship. Careful selection of data sets pertaining to relevant social justice issues can thereby serve as a vehicle to support student understanding and mastery of many heretofore difficult concepts such as independence.

Reminders:

8:30 am - 1:00 pm and 2:00 pm - 5:15 pm

Exhibits open

Regency Foyer

9:30 am - 1:00 pm

Student Posters on Display

Regency Foyer

The American Mathematics Association of Two-Year Colleges (**AMATYC**) will hold their next annual conference in Orlando, FL on November 15-18, 2018.



An advertisement for xyz textbooks. At the top, it says 'xyz textbooks' in a large, lowercase, serif font, followed by 'INTRODUCES NEW TITLES FOR FALL 2017'. Below this, three circular icons are arranged vertically, each containing a title and author information. The first icon is for 'ALGEBRA: A COMBINED COURSE 2ND EDITION' by Charles P. McKeague. The second icon is for 'COLLEGE ALGEBRA' by Revathi Narasimhan. The third icon is for 'PREALGEBRA' by Megan Cavanah & Charles P. McKeague. To the right of these icons is a large black circle containing the text 'Math TV.com' in white. Below this circle is a QR code. At the bottom of the advertisement, there is a black circle containing the phone number '877.745.3499' and the website 'www.xyztextbooks.com'. In the bottom right corner, there is a black circle containing the text 'HAVE YOU SEEN MATHTV LATELY? Check out MathTV.com's new look!'

Second Session: 10:30 - 11:30 am

Regency I

(General Interest)

Darryl Allen

Solano Community College

Darryl.allen@solano.edu

All the Things You Aren't

So many things math instructors write on the board to make things 'simpler' cause many misunderstandings for the students and lead them to have problems when they transfer. Here are many of the things that are commonly presented to students that later led them astray and cost them points after transfer.

Regency II

(Issues and Panel)

Vik Hovsepian

Rio Hondo College

vhovsepian@RioHondo.edu

Math Is Fun

Participants will experience a variety of dynamic inquiry oriented investigations - promoting students thinking - along with FUN FILLED opportunities in making mathematics teaching coherent and engaging. Come, get involved and win prizes!

Regency III

(Developmental Ed.)

Jay Lehmann

College of San Mateo

mathnerdjay@aol.com

Teaching a Prestatistics Course: Propelling Non-STEM Students Forward

Many colleges are propelling non-STEM students through math programs by creating a prestatistics course, which can be taken in place of elementary and intermediate algebra. Activities that foster debate, open-ended projects, innovative use of density histograms, and mini-essay assignments about key concepts/misconceptions can greatly enhance students' understanding and eventual success in a statistics course. In fact, at my college, the success rate of students taking the prestatistics-statistics path is 77% higher than the success rate of students taking the algebra-statistics path.

Regency IV

(Precalculus and Above)

Ken Rand

Hartnell College

krand@hartnell.edu

Academic Math Camps Lead to Student Success

This interactive presentation will not only demonstrate how to start a Math Camp but it will also provide and engage the audience with the necessary and innovative tools in the form of games and activities that are needed to create a successful program. Teaching demonstrated at its finest.



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Second Session: 10:30 - 11:30 am, continued

Regency V

(Technology)*

Wade Ellis

West Valley College (Retired)

wade25@sbcglobal.net

Best Practices in Learning and Teaching Mathematics: Reading to Learn, Writing to Think

The content of mathematics courses, especially developmental mathematics courses, at the community college level can be mastered by most students if we believe they can succeed, set high expectations, and provide them with learning habits of mind and learning tools necessary for them to succeed.

(This Session is out of Strand because it is a replacement for a late cancellation. Thanks Wade!!)

Regency VI

(Statistics)

Karl K. Ting

Mission College

karl.ting@missioncollege.edu

Three Challenges from Probability, and I Thought It Was So Obvious

This session looks at "The Problem of Points", a collaboration between two giants of mathematics: Blaise Pascal and Pierre de Fermat, and the growth of probability theory. Monty Hall and Joseph Bertrand's Box Paradox follows to answer, "Why don't our students listen to us when it comes to probability?"



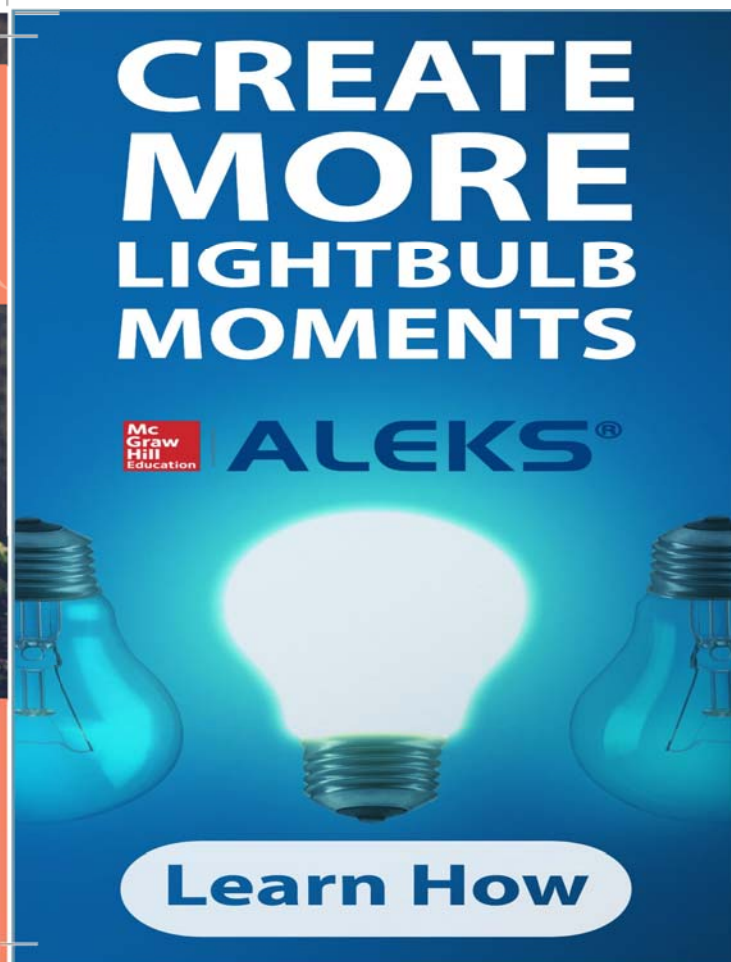
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Luncheon: 11:45 am - 12:45 pm

11:30 – 11:45 am Student Poster Presentations Regency Foyer

11:45 am - 12:45 pm Buffet (tickets required) Regency Main

(Mention to one of the servers if you have special dietary needs not met by the buffet.)

General Session: 1:00 - 2:15 pm

1:00 - 1:15 pm Poster awards, CMC³ awards Regency Main

1:15 - 2:15 pm Keynote Regency Main



Brandy Wieggers

Central Washington University

Brandy.Wieggers@cwu.edu

Math Saves the Day

How do we use math to help with preventing, understanding, and assisting with disasters? In this presentation we will examine the BP Oil Spill, Oroville Dam Failure, and Hurricane Harvey using a mathematical lens. Several quantitative tools will be introduced to examine these national events and help our students better contextualize these events. The material presented can be modified to be used in classroom activities for all levels of students and will include problem solving and interactive exploration

2:00 - 5:15 pm Exhibits open Regency Foyer

Third Session: 2:30 - 3:30 pm

Regency I

(General Interest)

George Woodbury

College of the Sequoias

georgew@cos.edu

Flipping Your Classroom

Do you want your students to be more engaged during class? The presenter will share strategies for flipping your classroom that encourage active learning while class is in session. Examples from Algebra and Statistics will be shared, including a discussion of “targeted flipping” based on material that students struggle with.

Regency II

(Issues and Panels)

David Schroerlucke

City College of San Francisco

dschroerlucke@ccsf.edu

Who's Afraid of the Big Bad Wolf?

Math anxiety is a pervasive cultural phenomenon that undermines student performance and interest in math, discourages students from pursuing STEM careers, and reduces teaching self-efficacy among math teachers. Recent research at the intersection of psychology and education has revealed important insights into the origins of math anxiety as well as strategies that can help mitigate its effects. This talk will summarize the current state of research and present some evidence-based psychological strategies that can be used to reduce the negative impact of math anxiety on our students.

Third Session: 2:30 - 3:30 pm, continued

Regency III

(Developmental Ed.)

Larry Green

Lake Tahoe Community College

drLarryGreen@gmail.com

OEI and OER for Math

The Online Education Initiative (OEI) is a California effort to assist faculty who are teaching online. The Open Educational Resources (OER) movement strives to provide an affordable education to all students. This talk will address the latest activities in OEI and OER mathematics including resources for online teaching, open textbooks and free online homework systems.

Regency IV

(Precalculus and Above)

Jeff Anderson

Foothill College

andersonjeff@fhda.edu

Michael McCusker

Foothill College

mvmcc@pacbell.net

Make the Eigenvalue Problem Resonate with Our Students

We present a new learning activity that enables students to apply eigenvalue theory to model a useful physical phenomenon. Specifically, we demonstrate how to build a spring-coupled pair of pendula and how students can analyze this system using eigenvalues. This activity enhances student motivation and prepares students to apply linear-algebraic techniques to real-world problems.

Regency V

(Technology)

Kendra Lockman

City College of San Francisco

kendra.lockman@mail.ccsf.edu

Technology is my Frienemy

I have spent hundreds (maybe even thousands) of hours being consumed by technology, generally for the purpose of finding something useful for teaching, and have been disappointed with most of my findings. Slowly and chaotically, I am developing schemes for using technology in the classroom. Come and see my own tech hacks using Desmos, Google Slides, and Twitter. They are all works-in-progress and all imperfect, so I invite ideas and conversation. Bring your laptop, tablet, or smart phone to play along.

Regency VI

(Statistics)

Charles S Barnett

Las Positas College

cjbarnett2@comcast.net

Dogged by Bad Luck? Me Too!

Pick the most-promising checkout line at the supermarket. What happens? Someone's credit card doesn't work, or the checker has to go pick up a forgotten item, or the customer discusses his or her grandchild ad nauseam... And many other similar situations arise. Are you and I paranoid? No! A moderate dose of probability theory followed by a small injection of pop psychology justifies our complaint.

Fourth Session: 4:00 - 5:00 pm

Regency I

(General Interest)

Joel Siegel

Sierra College (Retired)

joelsiegel@ymail.com

"Ellipse into a Parabola"?

Insights into conic sections inspired by the movie *Hidden Figures*

What happens when a plane intersects a cone? What is eccentricity? Why do things stay in orbit and how does one get them to land? These and other seemingly obvious but surprisingly interesting issues will be investigated.

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Adjunct faculty teach a variety of courses, up to a 67% load, at one of our 4 campus locations - Ukiah, Willits, Lakeport, and Fort Bragg. Flex hours are available for office hours and professional development activities.

Applicants must meet California Community College minimum qualifications or the equivalent. Application materials are available online at www.mendocino.edu or contact Adam Jory in Human Resources at ajory@mendocino.edu. If you would like to contact the math department, please email Prof. Leslie Banta at lbanta@mendocino.edu.

MENDOCINO COLLEGE - HUMAN RESOURCES

SPECIAL THANKS TO ...

- * **City College of San Francisco**
[printing and postage]
- * **AMATYC**
[tote bags]
- * **Pearson Higher Education**
[Friday "Game Night"]
- * **Our pre-conference presenters:**
Larry Green and Virginia "Ginni" May:
AB705 Discussion
- * **All of our Door Prize and Foundation Donors!**

Thanks to our Exhibitors!

CMC ³ Foundation	McGraw Hill
Hawkes Learnin	Pearson
CSU/UC MDTP	Knewton
Thinkwell	XYZ Textbooks

CSU/UC

Mathematics Diagnostic Testing Project

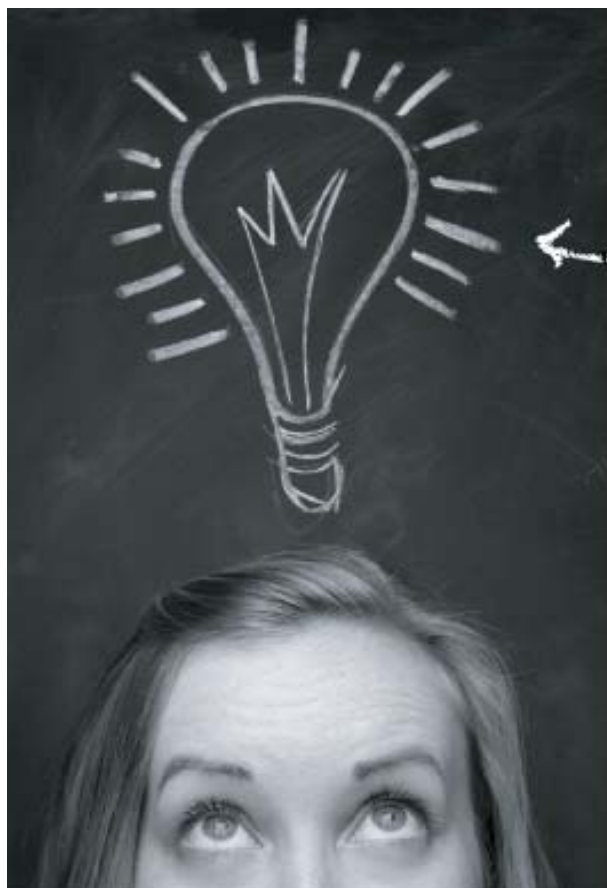
MDTP tests measure readiness for mathematics courses and are approved for use by California Community Colleges

- The Algebra Readiness Test assesses preparation for first year algebra courses.
- The Elementary Algebra Diagnostic Test assesses preparation for second year algebra courses.
- The Intermediate Algebra Diagnostic Test assesses preparation for precalculus and other courses at that level.
- The Precalculus Diagnostic Test assesses preparation for calculus. This test is available in a 40-item version and a 60-item version.

MDTP has two online practice tests available to anyone with Internet access. Students can use the online tests to prepare for precalculus and calculus level courses.

http://mdtp-wri.ucsd.edu/practice_tests/index.php

MDTP California Community College Coordinator
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Fourth Session: 4:00 - 5:00 pm, continued

Regency II

(Issues and Panel)

ADJUNCT PANEL

Santa Rosa Junior College

jcarlinggoldberg@santarosa.edu

Adjunct Instructors are invited to attend a Panel Session to discuss the process of getting hired for a Full Time Tenure Track Position at a California Community College. The Panel will include: Chantal Cimmiyotti of Mendocino College, Courtney Schultz of Santa Rosa Junior College, and a special mystery guest!

Regency III

(Developmental Ed)

Coleman Dobson

CSULA

coleman.dobson@gmail.com

Geometrization of Time:

Emergent Time as Mirror Symmetry

If we can build matter from quantum geometry, could quantum geometry also create time? That is, could we formulate a quantum geometrization of time? Using algebraic geometry and intersection theory, we argue that space and time are pre-geometric emergent mirror pairs, emerging from symmetries of spin networks of quantum complexity.

Regency IV

(Precalculus and Above)

Marcia Crump

Los Medanos College

mildredlouise.crump@gmail.com

Alice Stevens

City College of San Francisco

alice.stevens@mail.ccsf.edu

Frederick Teti

City College of San Francisco

fteti@ccsf.edu

Roderick Thompson

City College of San Francisco

roderick.thompson@mail.ccsf.edu

Into the Fifth Dimension:

Einstein, Kaluza-Klein, and Doctor Who

A light-hearted glimpse of Kaluza-Klein Theory through the eyes of classic characters from the BBC science fiction TV series, Doctor Who. Kaluza-Klein Theory was an attempt in the early twentieth century to express the electromagnetic field in the geometry of space-time in a similar manner to the expression of the gravitational field in Einstein's General Theory of Relativity.

5:00 – 6:00 pm Foundation Drawing

Regency Foyer

6:00pm – 12:00am Free shuttle downtown Conference Center Entrance

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Lake Tahoe Community College

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~NOTES~