

The 13th Annual Michigan Undergraduate Mathematics Conference

Saturday, October 9, 2010 DeVos Center, GVSU Grand Rapids Campus

www.mumc2010.org

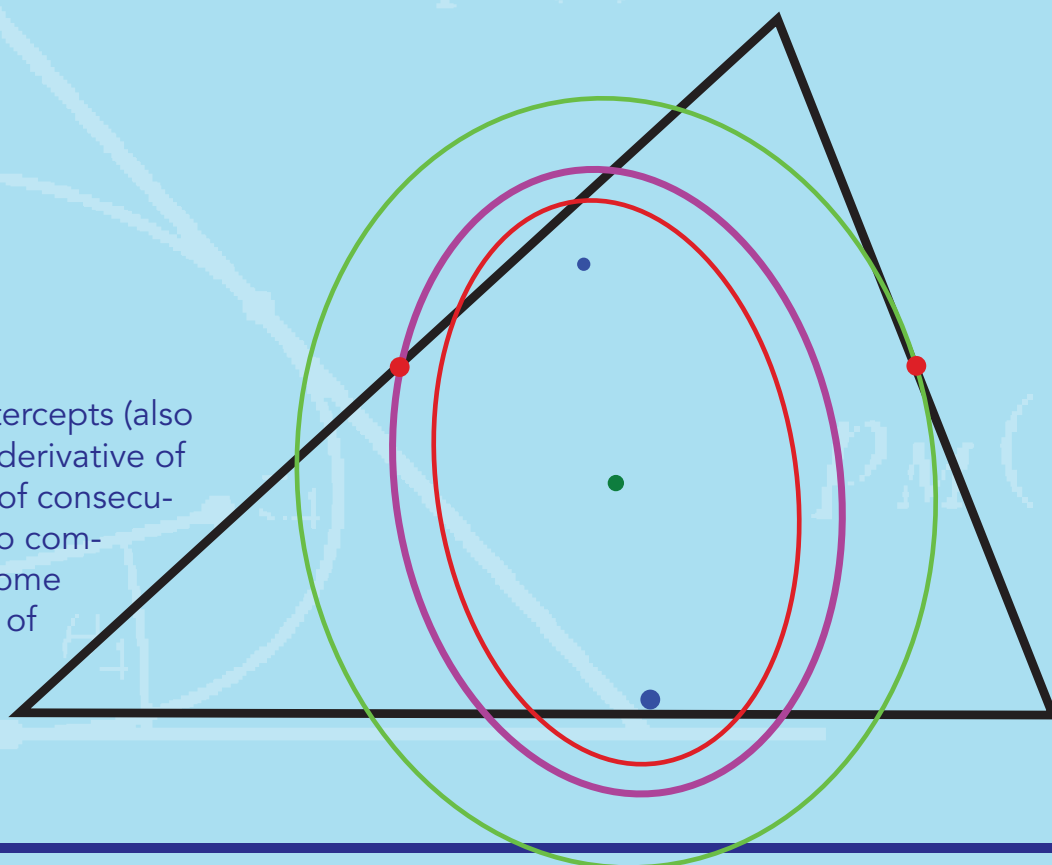
FEATURED SPEAKER

Dr. Dan Kalman

American University

The Most Marvelous Theorem in Mathematics

Abstract: Picture the graph of a cubic, with three x intercepts (also known as the roots). We know from calculus that the derivative of the cubic will have two roots, one between each pair of consecutive roots. This situation extends in an amazing way to complex numbers, where the three roots of the cubic become vertices of a triangle in the complex plane. The roots of the derivative are within the triangle. But where?



Dan Kalman

Dan Kalman has been writing about and teaching mathematics for 30 years. A graduate of Harvey Mudd College (BS, 1974) and the University of Wisconsin (PhD, 1980) he is a Professor of Mathematics at American University, Washington, DC. He previously held faculty positions at the University of Wisconsin, Green Bay, and Augustana College, Sioux Falls, among other institutions, and worked for several years as an applied mathematician at the Aerospace Corporation. He also served for one year as an Associate Executive Director of the MAA.

Kalman has been an invited speaker at numerous national and regional mathematics conferences, and has spoken to student clubs and PME chapters many times. His mathematical writing has been recognized with multiple MAA awards: a Ford Award in 2009, Allendoerfer Awards in 1998 and 2002, Polya Awards in 1994 and 2002, and an Evans Award in 1997. He is the author of two books published by the MAA. Kalman has served on the Editorial Boards for several MAA publications and is currently on the board for Math Horizons.



Abstract Submissions Deadline for Student Presentations: September 27, 2010 at 5:00 PM (ET)
Registration Deadline: October 1, 2010 at 5:00 PM (ET)

Sponsors:

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