

FACULTY TALKS

2011 Allegheny Mountain Section Meeting at Clarion University

	Science and Technology Center 123	Science and Technology Center 125	Science and Technology Center 134	Science and Technology Center 136	Science and Technology Center 138	Science and Technology Center 120
10:15 – 10:30	Pat Schulte MATHO - a Great Game for College Algebra Students	Michael Jackson Rectified and truncated simplex number sequences	Emily H. Sprague Mathematics of Musical Consonance, a First Year Experience	Paul Becker Factoring Error-Correcting Codes	Robert W. Vallin Some Mathematics of KenKen Puzzles	Henry Escudro Recognizing Triangular Line Graphs
10:35 – 10:50	David Offner Packing the hypercube	John Lattanzio Generalized Matrix Graphs and Completely Independent Critical Cliques	Paul Olson Generating power series from geometric series	Michael Woltermann n^3/p^2 : A "forgotten" formula?	John Thompson Napier's Log	Shelly Bouchat Minimal Free Resolutions and Cellular Complexes
10:55 – 11:10	Zachary Kilpatrick Bumps in piecewise smooth neural fields with synaptic depression	Gregor Olšavský Finding Idempotents in the Clean Ring Z_n	Boon Ong The exponential of a square matrix	James Sellers Enumeration of Line-Hamiltonian Multigraphic Degree Sequences	David Prier An Open Problem in Graph Theory: The Inverse Domination Number Problem	Korey Kilburn A method to integrate $e^{(ax)}\sin(bx)$ and $e^{(ax)}\cos(bx)$ without integrating by parts
11:15 – 11:30	Natacha Fontes-Merz The Chromatic Polynomial of the Join of Two Graphs	Jacqueline Jensen An Applied Approach to Minitab Projects for Elementary Statistics	Tim Flowers Asymptotics of Families of Polynomials	D.J. Galiffa Generating Functions: From Number Theory to Orthogonal Polynomials	Hollie Buchanan Slitherlink and Circuits in Grids	Antonella Cupillari A "pioneering" book on proofs by E. S. Loomis