

# STUDENT TALKS

*2009 Allegheny Mountain Section Meeting at Wheeling Jesuit University*

	<b>Acker Science Center 104</b>	<b>Acker Science Center 212</b>	<b>Acker Science Center 213</b>	<b>Acker Science Center 215</b>
<b>7:30-7:45</b>	<b>Wayne DeFloria &amp; Jim Valentovich</b> Symplectic and Contact Forms on Lie Groups	<b>Samantha Corvino</b> Special Sums of Integer Reciprocals	<b>J. Zachary Klingensmith</b> Magic Squares and Constant Transversal Matrices	<b>Josh Koslosky</b> Numerical Methods for Total Variation Based Denoising
<b>7:50-8:05</b>	<b>Justin Neil</b> Rings of Prime Power Order	<b>Amber Bollard</b> Complete Multipartite Planar Graphs	<b>Alexis Adams</b> Gender Differences in Math Education at the College Level	<b>Kevin Kroll</b> Analysis of Schmitt Trigger Oscillators
<b>8:10-8:25</b>	<b>Becky Egg</b> Geometrical Structures Associated to a Finite Group	<b>Robert G. Vary</b> Some Arithmetic Properties of Overpartition k-tuples	<b>Kristen Lester</b> A Mathematical Model of Dieting	<b>Elliott Epstein</b> Using Predictive Models to Estimate Echerichia coli at Presque Isle
<b>8:30-8:45</b>	<b>Elliot Blackstone</b> Ring of Formal Power Series with Integer Coefficients	<b>Rachel Cogley</b> Non-Congruent Pythagorean Triangles with the Same Area	<b>Elise Buckley</b> An Exploration of the Application of the Banzhaf Power Index to Weighted Voting Systems	<b>Amanda Sgroi</b> Perceptually Adaptive Bilateral Filtering
<b>8:50-9:05</b>	<b>Alyson Grubbs</b> Squaring the Circle	<b>Shunika Hamilton &amp; Sarah Charley</b> Pythagorean Triangles with One or More Square Sides	<b>Landon Chambers</b> Infinite Hackenbush Stacks	<b>Daniel Vargo</b> Improving Cancellation with Correlation
<b>9:10-9:25</b>	<b>Keith Gallagher</b> The Sierpinski Triangle	<b>Pete Gentile &amp; Christian Miedel</b> Consecutive Pythagorean Triples and Their Relation to Square Triangle Numbers	<b>Dan Ross</b> Programming a Computer for Playing Reversi	<b>Yifan Zhao</b> In Search of an Optimum Portfolio with Different Means