

# STUDENT TALKS

*2024 Allegheny Mountain Section Meeting at Fairmont State University*

**All talks are in the Engineering Technology Building (ET)**

	ET 303	ET 306	ET 310
7:15 - 7:30	<b>Zach LaFrankie</b> <i>Westminster College</i> Directed Graph Burning	<b>Edison Hauptman</b> <i>University of Pittsburgh</i> Why Isn't There an Inverse Quotient Rule?	<b>Gabriel Turak</b> <i>West Virginia University</i> Induced Matching Partitions of Generalized Petersen Graphs
7:35 - 7:50	<b>Asia Morgenstern</b> <i>Westminster College</i> Leaky Power Domination: Solving the 1-Leaky Tree	<b>Richard Fang, Abel Wei, Matthew Hunczak</b> <i>University of Pittsburgh</i> Maximizing Investment Strategy	<b>Edwin Townsend</b> <i>West Virginia University</i> The Knowledge-GAP in Applying to Graduate School
7:55 - 8:10	<b>Timothy Edwards</b> <i>Gannon University</i> Inverse Domination: Stability, Unique Minimum Dominating Sets, and Dual Domination	<b>John Hohman</b> <i>University of Pittsburgh</i> Coffee Futures Forecasting with Transformers	<b>Davis Funk</b> <i>West Virginia University</i> The 1-Dimensional Wave Equation on Time Scales
8:15 - 8:30	<b>Chase Ake</b> <i>West Liberty University</i> Mathematical Models of Fraud Detection	<b>Peter Ridolfi, Misha Trosman, Chris Deboni, Anna Minor</b> <i>University of Pittsburgh</i> Optimizing Investment Strategies of Pension Plans	<b>Richard Williams</b> <i>Marshall University</i> A Contour Integral Approach to Solving Generalized Heat Equations on Time Scales
8:35 - 8:50	<b>Caleb Thompson</b> <i>Penn State University</i> The "Reverse Cantor Set" and its Properties	<b>Casey Dinan, Katelyn Donaty, Kenny Han, James Holland, Winston Osei-Bonsu</b> <i>University of Pittsburgh</i> Optimization of MLB lineups	