

09:50-10:00	<b>Welcome</b> Bir Kafle, Indiana Section Chair		
10:00-10:50	<b>Opening Keynote Address</b> <i>Current Trends in Diophantine Sets</i> Alain Togbe, Purdue University Northwest		
	<b>Breakout Room One</b> Moderator: Stacy Hoehn	<b>Breakout Room Two</b> Moderator: Josh Holden	<b>Breakout Room Three</b> Moderator: Justin Lambright
11:00-11:20	S. Klanderma, Marian: <i>Factors that motivate students to learn mathematics</i>	T. Horine, IU Southeast: <i>Developing an interactive fiction project to engage History of Math students</i>	<b>Project NeXT Panel</b> <i>Alternative Assessments Techniques</i> <b>Panelists:</b> Z. Gates, Wabash College N. Kong, IU East
11:25-11:45	C. Barua and G. Fragoso ∇, Valparaiso: <i>Determining the winner in a graph theory game</i>	G. Cowley and K. Kim ∇, Wabash: <i>Rainbow numbers of <math>\mathbb{Z}_n</math> for <math>x - y = z^2</math></i>	
11:50-12:10	J. Contreras, Ball State: <i>The joy of investigating geometric converse problems with GeoGebra</i>	N. Lewis, Marian: <i>Convex optimization in statistics</i>	
12:10-13:00	<b>Lunch Break</b>		
	<b>Breakout Room One</b> Moderator: Matt DeLong	<b>Breakout Room Two</b> Moderator: Colin McKinney	<b>Breakout Room Three</b> Moderator: Amber Russell
13:00-13:20	P. Fonstad, Franklin: <i>Getting together apart: Math Club events for uncertain times</i>	M. Karls, Ball State: <i>Verifying one-dimensional groundwater flow with incomplete data</i>	R. Karki, IU East: <i>Key strategies to engage students in an online math class</i>
13:25-13:45	L. M. Nelsen, Colorado College: <i>Trying to make modeling less scary in the differential equations classroom</i>	T. Y. Chen ∇, A. for Math, Sc. And Eng., NJ: <i>Traditional mathematical modeling vs. machine learning for weather forecasting and climate prediction</i>	<b>Unable to attend – video of talk will be shared with participants</b> J. Roeder ∇, Trine: <i>Classifying 2-dimensional real algebraically defined graphs by diameter</i>
13:55-14:15	A. Rosenblum ⊗, Purdue: <i>A tourist's guide to o-minimality</i>	K. Raihala ∇, IU East: <i>Analyzing the safety of the cycling network in Trier, Germany</i>	H. Phan ∇, DePauw: <i>Numerical approaches of pricing options in the Cox-Ross-Rubinstein models</i>
14:20-14:40	D. Collins, U Puerto Rico: <i>Consciousness toolkit</i>	<b>Unable to attend – video of talk will be shared with participants</b> J. Roeder ∇, Trine: <i>Two-player pebbling game on a simple graph</i>	R. McHone ∇, IU East: <i>Convolution inequalities with probability distributions</i>
14:45-15:35	<b>Closing Keynote Address</b> <i>Geometry, Greed, Games, and 'Roids</i> <b>James Oxley</b> , Boyd Professor, Louisiana State University		
15:35	<b>Adjournment:</b> We hope to see you in April 8-9, 2022 for the Spring meeting at Indiana Wesleyan University.		

∇ Undergraduate student speaker

⊗ Graduate student speaker