

2023 Kentucky Section of the Mathematical Association of America at Georgetown College

Friday, March 31, 2023

2:00pm – 2:50pm	Registration (ASC Foyer, First Floor)			
2:50pm – 3:00pm	KYMAA Announcements and Opening Remarks (ASC Room 112)			
3:00pm – 3:55pm	Invited Address (ASC Room 112) Math for the People: Teaching Mathematics with Social Justice <i>Mark A. Branson</i> – Stevenson University			
	ASC Room 131	ASC Room 132	ASC Room 133	ASC Room 219
4:00pm – 4:20pm	STEM Persistence in Kentucky: What Disparities Affect Students? (U) <i>Hicks, Riley</i> Morehead State University	The weight of a ten-pound bag of potatoes (F) <i>May, Rus</i> Morehead State University	A Predictive Model for Wordle (U) <i>Behnke, Silas</i> Asbury University	Alternative Assessment Strategies in Introductory Statistics (F) <i>Buckley, Brooke; Miller, Carl</i> Northern Kentucky University
4:30pm – 4:50pm	Potential Indications in K-12 Education: Correlations between High School Start Times, Chronic Absenteeism, and Academic Performance (U) <i>Worth, Sophia</i> University of Louisville	Kolams in Graph Theory: Mathematics in Southern Indian Ritual Art (G) <i>Nathan Hartmann</i> Murray State University	Wordle- A Game of Random Inquiry? (U) <i>Haughton, Seth; Bill, Caleb</i> Asbury University	Creating functions with prescribed end behavior (F) <i>McClain, Christopher</i> WVU Tech
5:00pm – 5:20pm		Ehrhart Functions for Phylogenetics and Conformal Blocks (U) <i>Jones, Nathan; Rieke, Nikolas; Yalla, Sai; Lozano, Ale; Castro, Ian</i> University of Kentucky	COMAP Problem E: The Risk of Light Pollution (U) <i>Hanssen, Willem</i> Asbury University	Modernizing Calculus at the U.S. Air Force Academy: Preliminary Effects on STEM Retention (F) <i>González-Espada, Wilson</i> Morehead State University
5:30pm – 5:50pm		When are all rankings Kemeny rankings? (F) <i>Powers, Bob</i> University of Louisville	Model for Light Pollution Diagnosis (U) <i>Stanley, Katherine</i> Asbury University	Adventures with Undergraduate Research (F) <i>Hoots, Lucas</i> Centre College
6:15pm – 7:00pm	Banquet (Learning Resource Center, Ward Room)			
7:00pm – 7:45pm	Invited Address (Learning Resource Center, Ward Room) The History of the KYMAA in Light of the Larger Social History of American Mathematics <i>Daniel Curtin</i> - Northern Kentucky University			

Contributed Talks (F: faculty; P: postdoc; G: graduate; U: undergraduate; B: business)