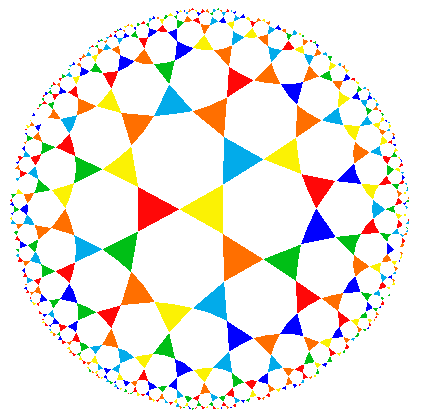
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**MAKO Undergraduate Mathematics**

**Research Conference – 2016**

**Saturday, November 12**

**Schedule**

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| 9:00 am – 9:05 am | **Welcome: Bill Bray, Mathematics Department Head, MSU** |
| 9:05 am – 9:25 am | “The Game of Seepage”  Julie Anne Bowman, Southwest Baptist University |
| 9:30 am – 9:55 am | “Global Stability Analysis of Zika Virus Dynamics”  Savannah Bates, Jacksonville University,  and Hayley Hutson, Missouri State University |
| 10:00 am – 10:25 am | “Rainbow Arithmetic Triples”  Rafael Ceja, California State University, Sacramento,  Kathryn Cook, Evangel University,  and Karissa Hayden-Gill, University of California, Davis |
| 10:30 am – 10:55 am | “Delay Differential Equations for Population Modeling”  Nathaniel Covey, Lyon College |
| 11:00 am – 11:25 am | “Simplexes in an N-Dimensional Cube”  John Carter, Missouri State University |
| 11:30 am – 11:55 am | “Predator-Prey Models with Harvesting”  Jacob Perkins, Lyon College |
| noon – 12:25 pm | **Lunch – Cheek Lobby** |
| 12:30 pm – 12:55 pm | “Investigating Graphs Based on Relationships of Three 3 Vertices”  Jon Mangum, Missouri State University |
| 1:00 pm – 1:25 pm | “Analyzing the Stability of Ebola Models Using Dynamical Systems”  Tommy Stoller, Wichita State University |
| 1:30 pm – 1:55 pm | “Some Applications of Additive Combinatorics in Finite Fields”  Mengqing Qin, Missouri State University |
| 2:00 pm – 2:25 pm | “Differential Equations as Physical Models”  Morgan Webb, Lyon College  and Jacob Perkins, Lyon College |
| 2:30 pm – 2:55 pm | “Integer Partition Theory”  Jon Rehmert, College of the Ozarks |
| 3:00 pm – 3:25 pm | “Mathematical Modeling of Japanese Knotweed”  Jessica Linton, Benedictine College |
| 3:25 pm – 3:30 pm | Closing and final remarks |