February 6, 2023

Greetings!

Your students are invited to participate in the **Eighteenth Annual Arkansas Undergraduate Mathematics Competition**, to be held on Saturday, February 25, 2023 on the campus of John Brown University in Siloam Springs. In this competition, students will work in teams of two, three, or four on a three-hour exam, competing with teams from their own and other schools for cash prizes and bragging rights!

The first seventeen AUMC exams were written and graded by Dr. Gerald Heuer, who unfortunately passed away in 2021. Dr. David Molnar of Rutgers University has come aboard to follow in Dr. Heuer's footsteps. While the new exam may look and feel a bit different, the target is the same: 10 problems of a wide range of difficulty, from a problem or two that almost every team will be able to solve, to a problem or two at Putnam level, designed to separate out the most exceptional students. Most questions, however, will require only mathematics below the differential equations/linear algebra level.

Each member of the first place team will receive a $50 gift card, each member of the second place team will receive a $30 gift card, and each member of the third place team will receive a $20 gift card.

The competition will begin with registration and a light breakfast at 9:30 AM, followed by the exam at 10:00. At the conclusion of the exam (around 1:00), we will provide a pizza lunch for all participants and their advisors. Most teams are ready to leave by about 1:30. Participating institutions that have fielded teams in previous years will be asked to contribute a nominal sum (usually around $100) to cover the prize money and compensation for Dr. Molnar's services.

This is an excellent opportunity for your students to use their mathematical skills cooperatively in a fun atmosphere, as well as to meet other mathematics students from around the state. We've had a couple of years off due to COVID and to Dr. Heuer's passing, but we're hoping for good participation as we relaunch!

If you have students interested in participating, or if you have any questions, please reply to Jeff Sykes at sykesj@obu.edu by Monday, February 20. Please indicate the number of teams from your institution that would like to participate. Driving directions and the on-campus location for the contest will be sent the week of the competition.

We look forward to seeing you at this year's competition!

Jeffery D. Sykes
Organizer, Arkansas Undergraduate Mathematics Competition