ROMUS is an innovative mathematics summer program that offers undergraduates the opportunity to pursue research under the tutelage of experienced faculty members. Students work with a faculty member on a project of mutual interest for 8-10 weeks during the summer. In addition to the research projects, all accepted students will participate in various cohort activities. These experiences will most likely be virtual/remote, but the possibility remains for some in-person activities.

The projects will be in the following areas:

- Computational Mathematics, Numerical Modeling
- Computational Number Theory
- Topological Data Analysis & Directed Algebraic Topology
- Knot Theory & Low-Dimensional Topology
- Dynamical Systems & Geometry
- Operator & Quantum Algebra
- Combinatorics & Random Matrices
- Cellular Automata, Statistical Mechanics & Probability
- Combinatorics & Model Theory

Applications are welcome from students from all schools. Applications from students from traditionally underrepresented groups are particularly encouraged. REU participants are paid a stipend during the summer depending on in-person vs remote participation as well as travel and lodging as applicable. Please note, REUs are intended primarily for US citizens and Permanent Residents. Because of funding limitations, international students will be considered on an ad-hoc basis.

Applications will begin being evaluated in mid-to-late February and accepted until all slots are filled. For additional questions please contact Tony Nance at nance.1@osu.edu.