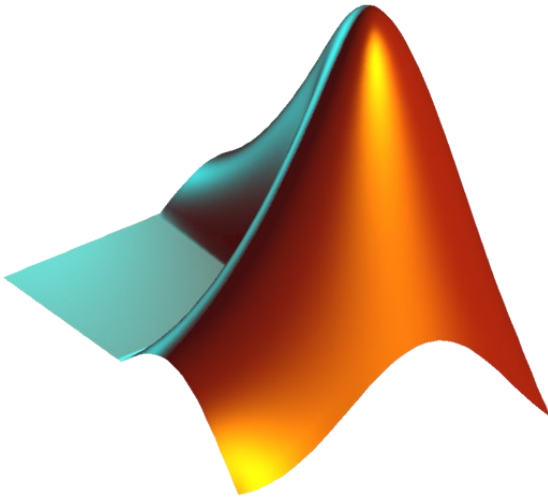


System Modeling Olympics!

For current juniors and seniors on February 31, 2024

Engineering Challenges, Week-Long Competition, Prizes, and Networking!

Participants will use their knowledge from ME 355 to compete directly against each other at Valpo!



Numerical Methods (\$1000 Grand Prize): Solve problems using Taylor Series, **FINITE DIVIDED DIFFERENCE METHODS**, Root Finding, Optimization, Interpolation, Integration and ODE and BVP solvers!

Mini Topics

Campers will have the opportunities to participate in shorter competitions in the areas of numerical error, V&V, pseudocode and flowcharting, and MATLAB and Python coding!



A week-long competition in two categories!

System Modeling (\$1000 Grand Prize): Competitors will put together their skills to model falling objects, projectile motion, static beams, heat transfer, swinging objects, and more! In addition, participants will have one unknown model type!



Application and Deadlines

Participants must have completed ME 355 by 2024!

Online application is due by December 25, 2023.
Applications will be evaluated starting January 1, 2024.

Contact

Only the best **ONES** should enter at tinyurl.com/yd4bza4w