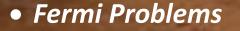
WINTER 2023 MATHEMATICS **UNDERGRADUATE SEMINAR**

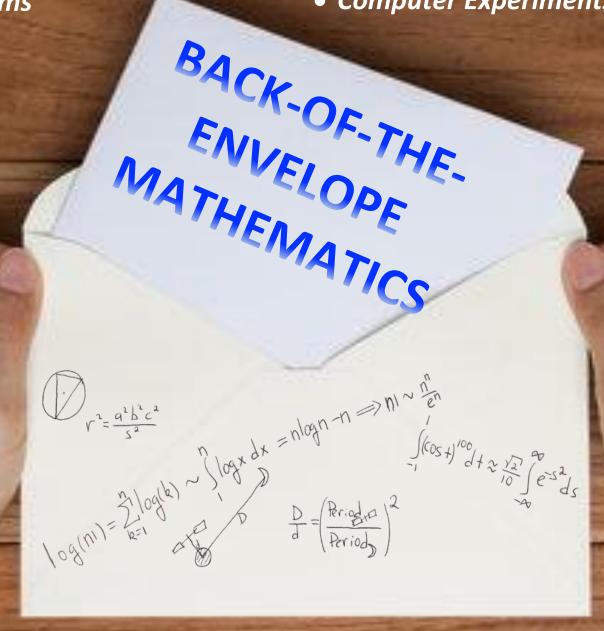
WQ23 MATH 105-6 Instructor: Prof. Nir Avni



- Checking Degenerate/extreme cases
- Symmetry and Dimensional Analysis
- Counting Degrees of Freedom



Computer Experiments



Prerequisites for this Course:

- High School Geometry and Algebra
- Calculus
- Probability
- Some Familiarity with a Scripting Programming Language



The emphasis in most upper level math classes is to train you in finding a proof for a precise mathematical statement. Very little attention is given to how you would guess such a statement. The purpose of this seminar is to teach you some of the heuristics we use when looking for mathematical statements that have a chance to be true.