

1163-97-1348 **Peter Haine*** (phaine@mit.edu), 122 Otis St, #2, Cambridge, MA 02141. *PRIMES Circle at MIT.*

The PRIMES Circle program at MIT is a reading program aimed at increase diversity in the mathematical community by helping students from underrepresented groups to develop their interest in mathematics and to set them on a path toward pursuing a math-based major in college. For four months, late January through mid-May, students work with MIT professors and undergraduates to study mathematics and to solve challenging math problems beyond high school curriculum. Students focus on a specific area of mathematics, read literature in that area, and practice problem solving, expository writing, and presentation skills.

In this talk, we'll give an discuss what the PRIMES Circle program entails and some best practices in training undergraduates to be caring and effective mentors. (Received September 15, 2020)