Philadelphia Area Number Theory Seminar

Sarah Peluse
Princeton University

Modular zeros in the character table of the symmetric group

Abstract: In 2017, Miller conjectured, based on computational evidence, that for any xed prime p the density of entries in the character table of S_n that are divisible by p goes to 1 as n goes to in nity. I'll describe a proof of this conjecture, which is joint work with K. Soundararajan. I will also discuss the (still open) problem of determining the asymptotic density of zeros in the character table of S_n, where it is not even clear from computational data what one should expect.

Thursday, September 9, 2021
3:25 { 4:45 PM

Bryn Mawr College
Department of Mathematics
Park Science Center **245**
Informal refreshments at 3:15PM in Park 361