

Thursday, March 28, 2019

4:30–5:20 p.m.

SAS 2102

Infinite sums, infinite products, and million dollar prizes

Phillip Andrae, Meredith College

In calculus, we study series and learn how to add infinitely many numbers—but how about **multiplying infinitely many numbers**? In this talk, we'll start with familiar series from calculus, and then move on to study more exotic infinite sums and infinite products and the interactions between them. We'll see some number theory, complex analysis, and the **Riemann zeta function**, the subject of the famous Riemann hypothesis, whose solution carries a million dollar prize. You are not guaranteed to win a million dollars by attending this talk, but you are guaranteed free pizza! This talk will be **accessible to all undergraduates**.

NCSU Society for Undergraduate Mathematics

SUM Series

Mathematics and pizza!