

Talk Math 2 Me

(A mathematics seminar for students and by students)

Dr. Will Boney

will speak on:

Why “ $1 + 2 + 3 + 4 + \dots = -\frac{1}{12}$ ” is false

Friday April 19, 2024

DERR 240

12:00pm-1:30pm

Abstract

Well, duh, you can't add a bunch of positive numbers and get something negative. But there are certain corners of the math internet that like to say this is true, or maybe say that there is a certain way of giving meaning to these terms that could make them true. We will go on a fun journey to explore this idea, from Taylor series (my favorite Calc II topic!) to analytic continuation (and the world of complex numbers) to the Riemann Hypothesis (a problem so hard, you will get \$1,000,000 if/when you solve it).

For details about Talk Math 2 Me, email Ellen Couvillion (ebr21@txstate.edu) or visit:

