

Friday, October 20th

Wachman 617

4:00—5 :00pm

INFINTESIMALS AND NONSTANDARD ANALYSIS

Math Club

welcomes Professor Sivek

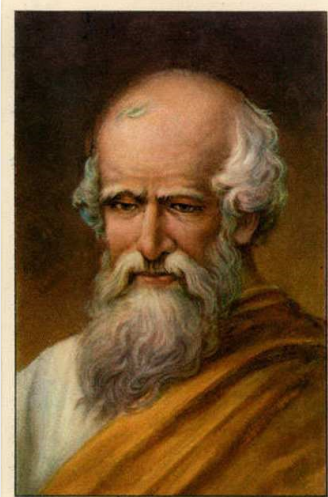


ABSTRACT

The idea of an infinitely small quantity (an infinitesimal) goes back at least to Archimedes' studies of circles and their approximating polygons. Many people studying localizable questions of change have attempted to apply the idea that they could zoom all the way in to the infinitely small moment of change ...

Overview of Concepts to Expect:

- Finding a new way to approach limits without the standard ϵ , N , δ
- Revisiting the idea of continually improving approximations and avoiding contradictions with the use of infinitely large or small quantities.
- The efforts of forming a firmer foundation of the concept of infinitesimals.



Free PIZZA and DRINKS!

Member who attends the most number of meetings gets a prize at the end of the year!