

DEPARTMENT OF MATHEMATICS
2016 SPRING SEMINAR

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“Students’ Conceptions of Rate of Change”

Abstract:

Rate of change is a concept that is central to much across mathematics. In the talk, I will show how rate of change relates to the Common Core State Standards in Mathematics from 4th grade through 8th grade. I will also show students' conceptions of rate of change in grades 4 through 8, and discuss how those early understandings link to curriculum sequencing. Lastly, I will discuss how the students' early misunderstandings might lead to common misconceptions about functions and derivatives.

Friday, March 11, 2016
PB 138
12:00PM – 1:00PM