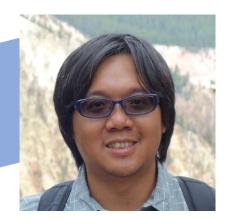
PRIME & CREATE for STEM Presents: Co-Integrate Mathematics Series

Willie Wong

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Willie is in his fifth year as an assistant professor in the math department.

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Computational Labs in Calculus II: Practice, Philosophy, and Research

We share our experience deploying computer-based lab activities in mainstream Calculus II instruction. Our course, MTH133, is the second semester in our main calculus sequence, and focuses on integral calculus, sequences and series, and the calculus of planar curves. This year, the labs are in use across all MTH133 sections. We will begin our presentation with a detailed demonstration of one of the labs, mainly to showcase the student experience. We will follow this up with a discussion of our philosophy toward the "place" the labs occupy in calculus instruction, specifically in relation to the extant curriculum. We will also describe ongoing research aimed at understanding students' learning experiences with the labs, as well as some of our findings.

Andy Krause

Andy co-coordinates teaching professional development for ULAs, the Department of the Department of introductory in the Department of large-lecture introductory of large-lecture research-and the profession of large-lecture research and strives to incorporate research Mathematics. He also teaches a variety of large-lecture research and strives to incorporate research mathematics. He also teaches a variety of large-lecture research that the profession in the second research that the profession is the profession of the profession of the profession in the profession in the profession of the profession in the profession of the



January 30, 2020 115 Erickson, Michigan State University 12:00 p.m. – 1:00 p.m.



College of Natural Science

Program in Mathematics Education

