



## Undergraduate Math and Physics Seminar

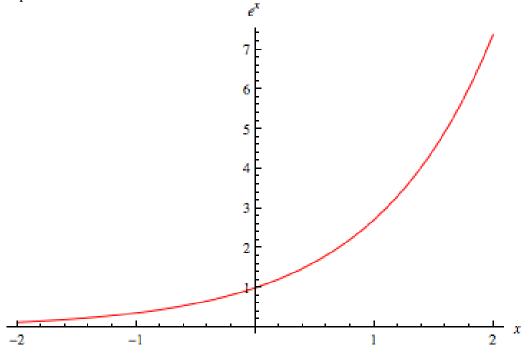
## An In Depth Look At Our Old Friend: The Exponential Function $y = e^{ax}$

## Alicia Machuca

Texas Woman's University

## **Abstract:**

From complex numbers to matrices, we will explore the wide range of applications of the exponential function  $y = e^{ax}$ . A matrix factorization for polynomial and trigonometric functions will be presented using matrix exponentials.



When: Monday, October 10, 2016, 4:30-5:20 pm

One University Drive, Camarillo, California 93012-8599 Tel: (805) 437-8967 Fax: (805) 437-8864 www.csuci.edu