



The Math/Stats Colloquium  
Department of Mathematics and Statistics  
San José State University



## Henry Boateng

San Francisco State

*Rudimentary Facial Recognition  
with Linear Algebra*

WED APR 12, 2023, MH320

**Abstract:** We will look at the singular value decomposition (SVD) of a matrix and how SVD can be used as the basis for a facial recognition algorithm. Along the way we will learn about image compression and possibly hand-writing detection.

*Background:* One semester linear algebra.

**About the speaker:** Henry Boateng is an Assistant Professor of Mathematics at San Francisco State University. His current research is in algorithm development for applications in computational chemistry, approximation theory and randomized linear algebra.

SNACKS IN MACQUARRIE HALL 331B AT 2:40PM

TALK STARTS AT 3:00PM

For more information, see our full schedule at:

<http://www.timhsu.net/colloq/>