

# BAMA

School Year 2010–2011  
Join us for a free talk...

# 4

## Kevin S. McCurley

### *The Mathematics of Inequality*



San Jose State University\*  
Engineering Auditorium, Rm. 189

7:30 pm

Wednesday, January 19, 2011

Google's mission is to organize the world's information and make it universally accessible and useful. In order to fulfill this mission, we are constantly developing and applying mathematical techniques to understand how humans produce and consume knowledge.

One question you might ask is whether society is diversifying their reading sources over time. This has implications for the future of journalism, the distribution of advertising revenue in society, and is also related to the debate that is raging over whether tax rates should be raised for the wealthy. These are social judgements, but the only way to meaningfully discuss them is if we first understand how to measure inequality.

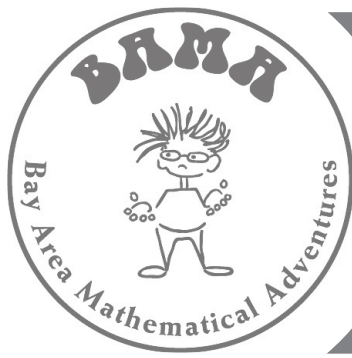
**Kevin McCurley** is a research scientist at Google, where he has worked since 2005. He earned his PhD in mathematics from the University of Illinois, and received a B.S. in mathematics from Santa Clara University. Prior to joining Google he held positions at IBM Research, Sandia National Laboratories, University of Southern California, and Michigan State University. His research interests lie in the application of mathematics, covering such topics as information security, information retrieval, and economics. As part of his job he spends time pushing mountains of data around.



\* See back for map and directions.

Visit the Bay Area Mathematical Adventures (BAMA) at <http://mathematicaladventures.org>

To receive email notifications about BAMA talks, please contact Frank Farris at [ffarris@scu.edu](mailto:ffarris@scu.edu).



# BAMA

## Bay Area Mathematical Adventures

A series of presentations on diverse topics by remarkable mathematicians. All talks are free and open to the public.

### WHY?

BAMA aims to challenge and motivate students to think mathematically. Speakers will present real mathematics, and will share with the audience modern views of mathematics. Some talks will provide students with related problems, or will enable teachers to expand later on the topics with their students.

### WHO?

BAMA is aimed at bright high-school age students. However, all are welcome: younger or older students, teachers, parents, and the general public.

### WHEN?

Evening talks will be given approximately once a month between September and April. Each talk will be self-contained (speakers will not assume their audiences have attended previous talks).

### WHERE?

#### San Jose State University Engineering Auditorium 189

- From 101 take the First Street or Guadalupe Expressway exit and go to Fourth Street.
- Take Fourth to San Salvador Street; turn left onto San Salvador and park in the South Garage. The automated pay stations located on level 3 and above accept coins, \$1, \$5 and \$10 bills, Visa or Master Cards. Parking is \$1.00 per ½ hour or \$5.00 day pass after 5:30.
- From 280 take the 7th Street exit and turn North on Seventh St. The garage is on the left after 5 or 6 blocks.
- Convenient parking is also available at the Fourth Street Garage across E. San Fernando St. from the Dr. Martin Luther King, Jr. Library. Your 1st hour is free, but beyond that, a \$3 flat rate applies to cars entering after 6:00 pm.



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**Mathematical Sciences Research Institute**

#### FOR MORE INFO:

<http://www.mathematicaladventures.org>

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