BAMA

Bay Area Mathematical Adventures

Stephen Devlin

Networks, Models, and Mathematics

Santa Clara University, Daly Science 207
Friday, October 14, 7:30 pm

A network is a bunch of dots connected by lines. For example, we can think of everyone on facebook as a dot, with lines drawn between any two dots that are friends, and we have a (big) network. Many interesting problems can be studied from a perspective that highlights an underlying network structure, e.g., the way a disease might spread through a population.

In this talk we will explore some mathematical tools for dealing with networks, and consider an example from evolutionary biology that helps demonstrate the extent to which a network can affect a complex system, and bring new insights to a problem.
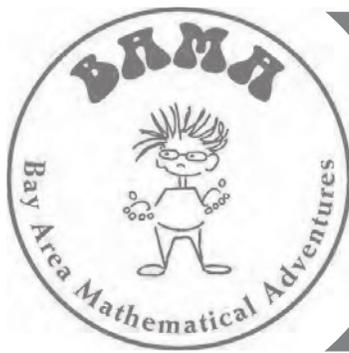
Stephen Devlin earned a B.A. at Manhattan College, and a Ph.D. at the University of Maryland. He held a C.L.E. Moore Instructorship at M.I.T. before joining the faculty at the University of San Francisco where is currently the Chair of the Mathematics Department.

* See back for map and directions.

![BAMA logo: Bay Area Mathematical Adventures]

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).
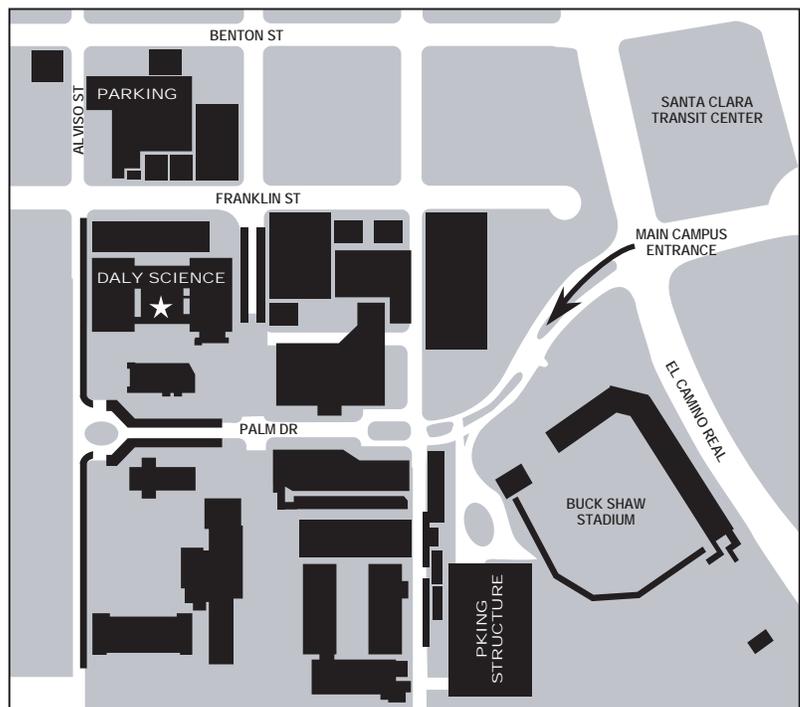
WHERE?

Santa Clara University
Daly Science, rm. 207

■   From US Highway 101, take the De La Cruz Blvd/Santa Clara exit and follow the signs to El Camino Real and the main campus entrance.

■   From I-280, take I-880 north toward Oakland to The Alameda exit. Turn left onto The Alameda (which becomes El Camino Real) to the main campus entrance.

■   From I-880, take The Alameda exit, travel north (The Alameda becomes El Camino Real) to the main campus entrance.

Note: If you bring your car to a talk at SCU, use the formal entrance to the University and tell the parking guard that you are attending a BAMA talk, you will get a **free permit**, which you can use in the parking garage or in the lot on Franklin Street, which is closer to the talk location.

■ If you have a disability and require reasonable accommodation, please call anyone on the steering committee, or 1 800 735 2929 (TTY - California Relay) 24 hours in advance.

FOR MORE INFO:

http://www.mathematicaladventures.org

BAMA Steering Committee:
Tatiana Shubin	SJSU	408-924-5146
Frank Farris	SCU	408-554-4430
Bradley Jackson	SJSU	408-924-5100
Gerald L. Alexanderson	SCU	408-554-6894