

BAMA 5

School Year 2008—2009
Join us for a free talk...

Estelle Basor

The Utilities Problem and Some Related Topics



Santa Clara University*, Daly Science 206
Wednesday, February 25, 7:30 pm

This talk will describe two graph theory problems. The first is well-known and is sometimes called the “utilities problem.” The task is to connect three vertices (representing three utilities) to three other vertices (representing buildings) without crossing lines.

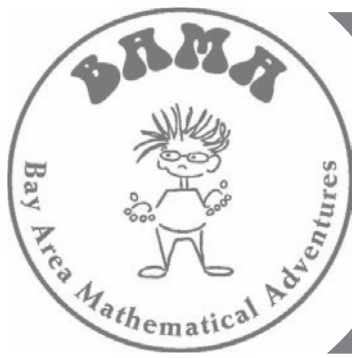
The second is the problem of computing the number of ways to pair up an even number of vertices with horizontal or vertical arcs. Both problems have solutions and applications that are related to other areas of mathematics.

Estelle Basor is the Deputy Director of the American Institute of Mathematics. She recently retired as Professor of Mathematics from California Polytechnic State University in San Luis Obispo. She received her Ph.D. from the University of California at Santa Cruz and has held visiting positions at UC Santa Cruz and Bryn Mawr College. Her research interests are in the areas of operator theory and random matrix theory.



* See back for map and directions.

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



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?

The primary goal of BAMA is 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: 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).

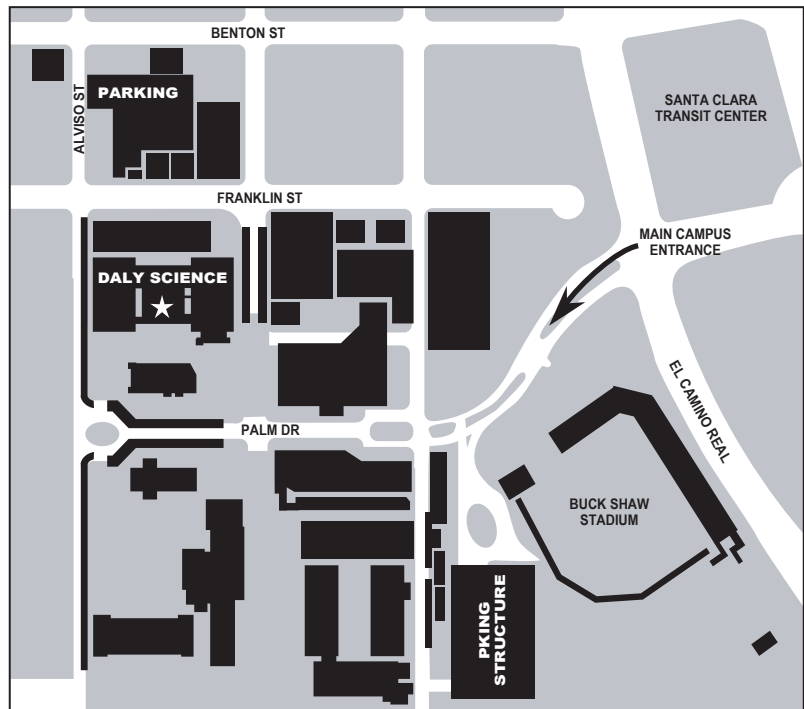
WHERE?

Santa Clara University Daly Science, rm. 206

- 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: People attending a BAMA talk at SCU may park after 7:00 pm in the new Franklin/Alviso parking lot, or ask the SCU guard at the main entrance kiosk for a Visitor Permit for the Parking Structure (garage).

- If you have a disability and require reasonable accommodation, please call Peter Ross, or 1 800 735 2929 (TTY - California Relay).



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