

BAMA

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

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Richard Scott

Counting Elements in Reflection Groups



Santa Clara University*, Daly Science 206

Wednesday, December 3, 7:30 pm

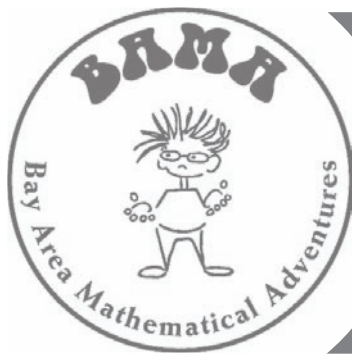
We will describe some tilings of the Euclidean and hyperbolic plane that are obtained by repeatedly reflecting a polygonal tile across its edges. The problem of counting the number of tiles is an interesting challenge (especially since there are infinitely many of them) but becomes manageable when one uses generating functions. In this talk, we will compute some of these functions for reflection tilings and discuss an amusing algebraic property they all share.

Richard Scott is Associate Professor of Mathematics at Santa Clara University. He earned his PhD at MIT and subsequently held post-doctoral positions at the Institute for Advanced Study and Ohio State University (where he acquired an addiction to Coxeter groups). His research interests include geometric group theory and the topology of algebraic varieties and configuration spaces. Scott is an active proponent of undergraduate research and has mentored students on a variety of projects exploring the interplay between geometry, group theory, and combinatorics.



* 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).

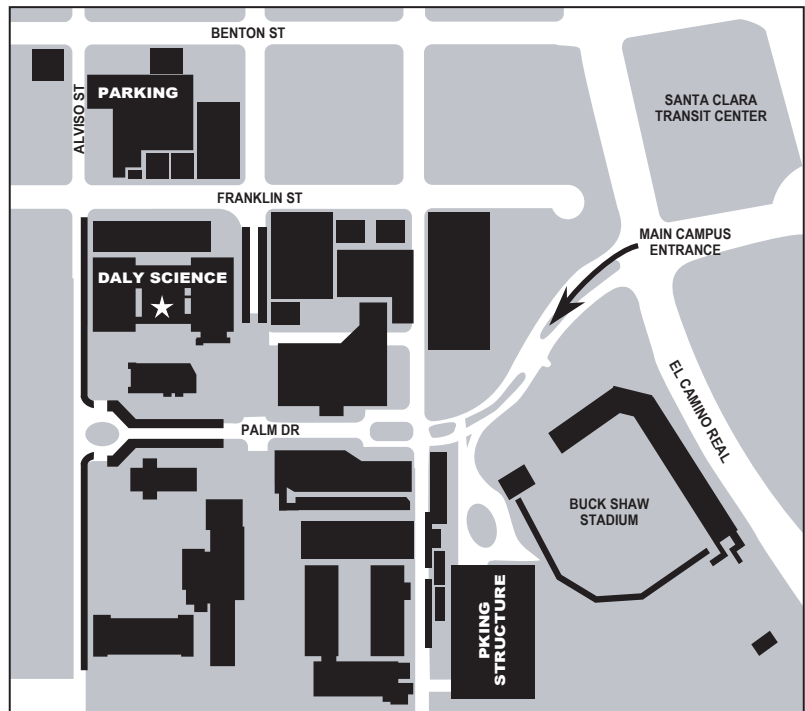
WHERE?

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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