Carl Pomerance

What we still don't know about addition and multiplication

Santa Clara University, Daly Science 207

Friday, January 23, 2015, 7:30 pm

How could there be something we don't know about arithmetic? It would seem that subject was sewn up in third grade. But here's a problem we don't know the solution to: What is the most efficient method for multiplication? And here is another: How many different numbers appear in a large multiplication table? There are many more such problems, largely unsolved, and for which we could use some help!
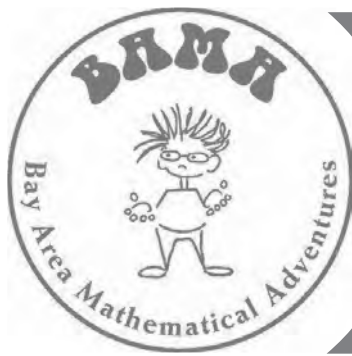
Carl Pomerance received his B.A. from Brown University in 1966 and his Ph.D. from Harvard University in 1972 under the direction of John Tate. Currently he is the John G. Kemeny Parents Professor of Mathematics at Dartmouth College, after previous positions at the University of Georgia and Bell Labs. A number theorist, Pomerance specializes in analytic, combinatorial, and computational number theory, with applications in the field of cryptology. He considers the late Paul Erdos as his greatest influence.

* See back for map and directions.

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).
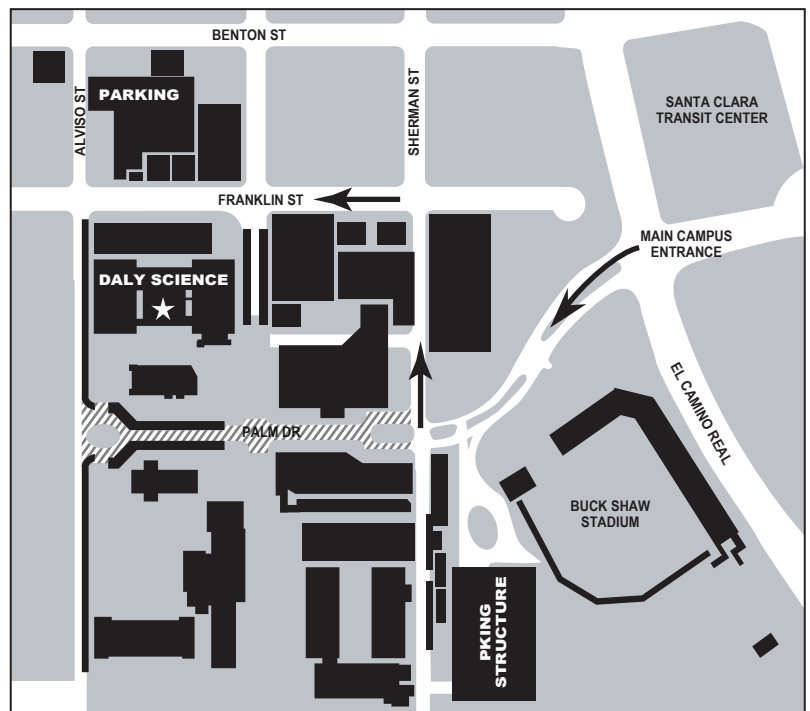
WHERE?

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 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 main campus entrance.

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

Note: If you arrive by car, you can go directly to the parking garage at Franklin and Alviso where parking is free after 6 pm on Fridays.

■ 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.

Map labels: BENTON ST, ALVISO ST, PARKING, SHERMAN ST, SANTA CLARA TRANSIT CENTER, FRANKLIN ST, MAIN CAMPUS ENTRANCE, DALY SCIENCE, EL CAMINO REAL, PALM DR, BUCK SHAW STADIUM, PKING STRUCTURE

FOR MORE INFO:

http://www.mathematicaladventures.org

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