

**The Eleventh Bay Area Discrete Math Day**  
**Saturday, October 22, 2005, 10:00am–6:00pm**  
**UC Davis**  
**Wellman Hall**

**Speakers**

Serkan Hosten (SFSU): *Growth Series of Cyclotomic Lattices and Cyclotomic Polytopes*

Misha Kapovich (UC Davis): *A generalization of the saturation theorem*

Yuval Peres (UC Berkeley): *Random-turn Hex and tug-of-war*

Mariel Vazquez (SFSU): *DNA rearrangements and multigraphs*

Lauren Williams (UC Berkeley): *Introduction to Total Positivity*

Alex Woo (UC Davis): *Bruhat-restricted pattern avoidance*

**Registration, meals, and parking:** No registration fee will be charged. Lunch and refreshments are free; for dinner after the talks, we will ask for roughly \$13 from students and \$18 from others. Free parking is available in campus lots.

To register, please e-mail the local organizer, Monica Vazirani ([vazirani@math.ucdavis.edu](mailto:vazirani@math.ucdavis.edu)), by **Friday October 14**. When you register, please let us know (1) if you have any dietary restrictions and (2) if you will be joining us for dinner.

For abstracts, driving directions, parking directions, and other information, please see:

<http://www.math.ucdavis.edu/~vazirani/BAD/>

BAD Math Days are one-day meetings aimed at facilitating communication between researchers and graduate students of discrete mathematics around the San Francisco Bay Area. These days happen twice a year and strive to create an informal atmosphere to talk about discrete mathematics. The term “discrete mathematics” is chosen to include at least the following topics: Algebraic and Enumerative Combinatorics, Discrete Geometry, Graph Theory, Coding and Design Theory, Combinatorial Aspects of Computational Algebra and Geometry, Combinatorial Optimization, Probabilistic Combinatorics, and Combinatorics in Mathematical Physics.