

BRANDEIS UNIVERSITY

Everytopic Seminar

Friday, April 9
in room 226 at 1:40pm

Sieving in Groups
Alex Kontotovich (IAS)

We will discuss recent progress on the Affine Sieve, which aims to find primes or almost-primes in sets of integers generated by group actions. Applications include the Apollonian circle packing and prime entries in matrix groups. Portions are joint with Hee Oh, Jean Bourgain, and Peter Sarnak.