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**Alex V Kontorovich\*** ([alexk@math.brown.edu](mailto:alexk@math.brown.edu)), Dept of Mathematics, 151 Thayer St,  
Providence, RI 02912. *Orbital Counting for Infinite Co-Volume Fuchsian Groups and Affine  
Linear Sieves.*

We will describe spectral and ergodic methods for counting orbital points on infinite-volume hyperbolic manifolds, with error terms which are uniform over “congruence” subgroups. We give applications to the affine linear sieve. Some of this work is joint with Hee Oh. (Received December 28, 2007)