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**Ely Kerman\*** ([ekerman@illinois.edu](mailto:ekerman@illinois.edu)). *On primes and period growth for Hamiltonian diffeomorphisms.*

In this talk I will describe how one can use Vinogradov's famous prime distribution theorem and a multidimensional generalization due to Harman to strengthen some recent results concerning the periodic points of Hamiltonian diffeomorphisms. (Received January 18, 2016)