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Jayadev Siddhanta Athreya* (jathreya@gmail.com), Department of Mathematics, Yale University, Dunham Laboratory, 10 Hillhouse Avenue, New Haven, CT 06511, and **Grigory Margulis**. *Logarithm laws for horocycles and diophantine approximation.*

We discuss some recent results on the excursions of horocycle flow on the modular surface into cusps and the relationship to diophantine approximation. (Received August 23, 2008)