1163-11-737   **Padmavathi Srinivasan*** (`padmavathi.srinivasan@uga.edu`), Athens, GA 30601, and **Mark Kisin**, **Joshua Lam** and **Ananth Shankar**. *Finiteness results for reductions of Hecke orbits.* Preliminary report.

I will talk about two finiteness results for reductions of Hecke orbits of abelian varieties defined over finite extensions of $\mathbb{Q}_p$, as well as applications to CM lifts of abelian varieties defined over finite fields. This is joint work with Mark Kisin, Joshua Lam and Ananth Shankar. (Received September 12, 2020)