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Alon Levy, Michelle Manes and Bianca Thompson* (bat7@hawaii.edu), 2565 McCarthy Mall, Honolulu, HI 96822. *Explicit Uniform Bounds for Preperiodic Points in Families of Twists.*

Let ϕ be a morphism of \mathbb{P}^N defined over a number field K . We prove that there is a bound B depending only on ϕ such that every twist of ϕ has no more than B K -rational preperiodic points. (This result is analagous to a result of Silverman for abelian varieties.) For two specific families of quadratic rational maps over \mathbb{Q} , we find the bound B explicitly. (Received July 30, 2012)