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Torsion points and dynamical heights

I will present a dynamical proof of an "unlikely intersections" result of Masser and Zannier: about a family of elliptic curves E_t and finiteness of parameters t where two points P_t and Q_t are simultaneously torsion. The method uses an equidistribution theorem for points of small height on \mathbb{P}^1 . Consequently, we obtain an extension of the original result, to treat parameters t where P and Q have small Neron-Tate height (not only height 0). This is joint work with Xiaoguang Wang and Hexi Ye, based on earlier work of mine with Matt Baker.