1077-11-1289   **Dragos Ghioca** and **Liang-Chung Hsia** (`tjtucker@gmail.com`), Rochester, New York, and **Thomas J Tucker*** (`tjtucker@gmail.com`), Department of Mathematics, University of Rochester, Rochester, NY 14627. *Towards a dynamical relative Manin-Mumford conjecture.*

Let f_l be a family of polynomials over the complex numbers, with l varying, subject to certain hypotheses. Let a_l and b_l be two families of points with l varying. We show that if there are infinitely many choices of complex z such that a_z and b_z are both preperiodic for f_z, then a_z and b_z satisfy a very simple relation. This can be interpreted geometrically as a dynamical variant of the relative Manin-Mumford conjecture for families of semiabelian varieties. The techniques here follow work of Baker, DeMarco, Masser, and Zannier. (Received September 18, 2011)