In this talk we will focus on dynamical systems exhibiting rigidity; that is, systems (X,T) where some sequence of iterates T^{q_n} approaches the identity function on X. I will present an original result showing that some variant of this property implies equidistribution of square iterates $(T^{n^2}(x))$ along some subsequence, for every starting point x. Surprisingly, the method relies heavily on multiplicativity of the polynomial n^2 , and doesn't generalize to all polynomials. We will also discuss related questions and potential further directions of research.