Emmanuel Ullmo Université Paris - Sud, Director of IHES Algebraic flows on homogeneous varieties

Let S be an abelian variety or a Shimura variety. The Ax-Lindemann conjecture predicts that the Zariski closure of an algebraic flow in S is a weakly special subvariety of S. We will discuss some conjectures and a few results on the usual topological closure of an algebraic flow in the same context.