

Holomorphic curves in Shimura varieties

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In this talk I will present an hyperbolic analogue of the Bloch-Ochiai theorem about the Zariski closure of holomorphic curves in abelian varieties. The statement was first proposed By Ullmo and Yafaev who also proved it for compact Shimura varieties. The proof uses the strategy of counting points in sets definable in o-minimal structures and the Ax-Lindemann-Weierstrass theorem.