Some Results on Unlikely Intersections for Curves in Semiabelian Schemes

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Abstract

The Zilber Pink conjecture on unlikely intersections predicts the behaviour of sub varieties of semi abelian schemes or of Shimura varieties when intersected with special sub varieties and generalises many well-known conjectures/results like Manin-Mumford, Mordell-Lang and André-Oort. After introducing the problem I will talk about recent results for curves in families of abelian varieties and in semiabelian varieties.