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**Torsion subvarieties**

Given an algebraic family of abelian varieties, i.e. a map  $\mathcal{A} \rightarrow S$  whose fibers are abelian varieties, and a section  $s : S \rightarrow \mathcal{A}$ , we study the subvarieties  $X \subset S$  where  $s$  takes a torsion values; these are called torsion subvarieties. Among some new results, we prove the finiteness of torsion hypersurfaces, outside trivial cases. This is a joint work with team member D. Masser and the Principal Investigator U. Zannier.