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Title: *Local-global questions for divisibility in commutative algebraic groups*

Abstract: We describe the relation between the local-global principle for divisibility of points in commutative algebraic groups and the local-global principle for divisibility of elements of the Tate-Shavarevich group in the Weil-Châtelet group. The two local-global subjects arose as a generalization of some classical questions considered respectively by Hasse and Cassels. We also report some of the most recent results achieved for the two problems.