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Title: *Descent and étale-Brauer obstructions for 0-cycle*

Abstract: We define, in the context of 0-cycles on a smooth projective geometrically integral variety over a number field, analogues of the classical descent set and étale-Brauer set for rational points. We then transfer some tools and techniques used to study the arithmetic of rational points into the setting of 0-cycles. For example, we extend the strategy developed by Yongqi Liang, relating the arithmetic of rational points over finite extensions of the base field to that of 0-cycles, to torsors, and we give applications of our results to study the arithmetic behaviour of 0-cycles for Enriques surfaces, universal torsors, and torsors under tori. This is joint work with Jennifer Berg.