ANDREAS WEIERMANN. *A unifying approach to Goodstein principles.*
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The Goodstein principle is arguably the most elementary principle which is independent of first order Peano arithmetic. In our presentation we discuss general properties of Goodstein principles which allow to formulate natural variants of the Goodstein principle which do not depend on a specific notion of base-k representations of natural numbers. (This is in part joint work with T. Arai, D. Fernández Duque, and S. Wainer.)


