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Paul G Sobaje* (sobaje@usc.edu). *One Parameter Subgroups of Reductive Groups.*

One-parameter additive subgroups have long played an important role in the representation theory of a reductive group G , starting with the root subgroups with respect to a maximal torus $T \leq G$. In characteristic p , more general one-parameter subgroups have been used to define interesting and useful invariants for G -modules. We will look at some recent developments in this area. (Received September 03, 2014)