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Reid Dale* (reiddale@math.berkeley.edu). *Generalized Differential Galois Extensions.*

In a recent paper, Kamensky and Pillay give sufficient conditions for the existence of a differential Galois extension for a logarithmic differential equation defined over an algebraic group G over the constants. In this talk we extend this result to arbitrary algebraic D-groups and find sufficient conditions for the existence and uniqueness of such extensions. This work is joint with J. Nagloo. (Received March 21, 2017)