

Meeting: 1006, Lubbock, Texas, SS 3A, Special Session on Classical and Differential Galois Theory

1006-12-200 **Lourdes Juan*** (1juan@math.ttu.edu), Dept. of Mathematics and Statistics, Texas Tech University, Box 41042, Lubbock, TX 79410, and **Andy Magid** (amagid@math.ou.edu), Dept. of Mathematics, University of Oklahoma, Norman, OK 73019. *Generic Picard-Vessiot extensions and generic equations.*

In this talk we will define a notion of generic Picard-Vessiot extension with group G and show that it is equivalent to Goldman's generic equation with group G . We will discuss examples and properties as well. (Received February 14, 2005)