1077-13-2280   **Lourdes Juan*** (`lourdes.juan@ttu.edu`), Lubbock, TX 79409. *Generic Differential Galois Extensions.*

Let $\mathcal{C}$ be an algebraically closed field of characteristic zero, regarded as a differential field with the trivial derivation, and let G be an algebraic subgroup of $GL_n(\mathcal{C})$. The notion of generic differential Galois extension for G has been introduced and studied by the presenter and co-authors in a series of papers. In this talk we will discuss the existence and properties of such extensions. (Received September 22, 2011)