1014-34-734   **Jeffrey A. Ehme*** (`jehme@spelman.edu`), Dept. of Mathematics Box 214, Spelman College, Atlanta, GA 30314. *Uniqueness and Existence Via Linearized Boundary Value Problems.*

We establish conditions which lead to the uniqueness and existence of solutions of $y^{(n)} = f(t, y, y', ..., y^{(n-1)})$ for various boundary conditions. The boundary conditions include conjugate, focal, Sturm-Liouville, and Lidstone type conditions. It will be assumed that the function f is bounded and that solutions exists and are unique for linearized versions of the problems. (Received September 23, 2005)