

1014-34-1161 **J. Hoffacker*** (johoff@clemson.edu), Department of Mathematical Sciences, O-106 Martin Hall, Box 340975, Clemson, SC 29634-0975, and **C. Tisdell**. *On Implicit Boundary Value Problems for Second Order Equations*.

This talk examines the existence of solutions to the following “implicit” boundary value problem (BVP)

$$x'' = f(t, x, x', x''), \quad t \in [0, T]$$

$$x(0) = A, \quad x(T) = B,$$

where $f : [0, T] \times \mathbb{R}^{3n} \rightarrow \mathbb{R}^n$; and $0 < T \in \mathbb{R}$, $A, B \in \mathbb{R}^n$ are given constants. (Received September 27, 2005)