1046-34-1769   **Brittney N Hinds*** (`bxc77740@ucmo.edu`), Dept. Mathematics and Computer Science, University of Central Missouri, Warrensburg, MO 64093. *Continuability and Boundedness of Solutions of Differential Equations Without Bounded Assumption on Nonlinear Functions.*

In this talk the continuability and boundedness of solutions for a class of second order nonlinear differential equations $[p(t)f(x'(t))]' = q(t)g(x(t))$ are discussed. Some results of continuability and boundedness of solutions have been obtained in some papers under the boundedness assumption of the function $g(x)$. We consider the continuability and boundedness of solutions without the boundedness requirement of $g(x)$. Therefore, our results have improved some known results. (Received September 16, 2008)