

Meeting: 1003, Atlanta, Georgia, MAA CP J1, MAA Session on Projects and Demonstrations that Enhance a Differential Equations Course, I

1003-J1-1174 **Michael E McDaniel*** (mcdanmic@aquinas.edu), Dr. Michael McDaniel, 1607 Robinson Rd.
SE, Grand Rapids, MI 49506. *Modeling Differential Equations with StarLogo.*

The free program StarLogo has turtles which we can control and count. Unlike living subjects, the turtles always do as they have been programmed. This gives the instructor a tool for demonstrating dynamics and for verifying theoretical results. The talk will include examples and all the information necessary to recreate similar results. (Received October 04, 2004)