1023-Z1-138 **Kari E. Fowler*** (`kfowler@ut.edu`), 401 E. Kennedy Blvd., Tampa, FL 33606. *Normal Functions of the First Category and the Interaction Between Coefficient Conditions and Solution Conditions of Differential Equations in the Unit Disk.* Preliminary report.

Consider the differential equation $f^{(k)} + A(z)f = 0$, where k is a positive integer. In her 2004 dissertation, the author investigated the influence of the normality of the coefficient $A(z)$ on a solution f and also the influence of the normality of a solution f on $A(z)$. In this presentation we discuss this influence within the context of normal meromorphic functions of the first category. (Received August 09, 2006)