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**Paul Eloe\*** (peloe1@udayton.edu), **Jeffrey Lyons** and **Jeffrey Neugebauer**. *Comparisons of Green's Functions for Multiple Term Fractional Differential Equations.*

Recent progress has been made in the study of boundary value problems for multiple term fractional differential equations. In particular, there are recent advances in the study of

$$-D_{0+}^{\alpha}u + aD_{0+}^{\beta}u = f(t, u),$$

with Dirichlet boundary conditions, where  $D_{0+}^{\alpha}$  or  $D_{0+}^{\beta}$  represent Riemann-Liouville fractional derivatives. We shall study families of boundary value problems associated with a multiple term fractional differential equation and obtain maximum principles and comparisons of corresponding Green's functions. (Received September 12, 2014)