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Julia St. Goar* (s-jstgoar1@math.unl.edu). *A Nonlinear Fractional Boundary Value Problem in Nabla Fractional Calculus.*

After reviewing the area of Nabla Fractional Calculus, we will consider a nonlinear right focal boundary value problem involving the Caputo difference operator in this context. We will define a Green's function and prove the existence of a positive solution by using cone theory. (Received September 21, 2015)