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Deja R Washington* (dwash11@xula.edu), 801 S Jefferson Davis Parkway, LLC Room 516a, New Orleans, LA 70125. *On the Boundedness Character of the First Order System of Rational Difference Equations with Nonconstant Coefficients.*

We will establish the boundedness character of the following system of rational difference

$$\begin{cases} x_{n+1} = \frac{\alpha_n}{\beta_n x_n + y_n} \\ y_{n+1} = \frac{a_n + c_n y_n}{A_n + x_n} \end{cases}$$

where the coefficients of the system are bounded sequences of nonnegative numbers, and the initial conditions x_0 and y_0 are nonnegative numbers, such the denominators are always positive. (Received September 22, 2015)