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Johnny Henderson* (Johnny_Henderson@baylor.edu), Department of Mathematics, Baylor University, Waco, TX 76798-7328. *Eigenvalue intervals for a system of generalized second order three point nonlinear boundary value problems on a time scale.*

Intervals of eigenvalues yielding positive solutions for a system of generalized second order three point nonlinear boundary value problems on a time scale are obtained. The Guo-Krasnoselskii fixed point theorem for positive operators on a cone is applied. (Received June 05, 2009)