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**Charles Nelms Jr.\*** ([charles\\_nelms@baylor.edu](mailto:charles_nelms@baylor.edu)), Department of Mathematics, Baylor University, Waco, TX 76798-7328. *Comparison of smallest eigenvalues for certain fifth order boundary value problems.*

The theory of  $u_0$ -positive operators is applied to a class of boundary value problems for some fifth order linear problems to establish some comparisons between smallest positive eigenvalues. (Received September 15, 2015)