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Jenna Reis* (jreis5@fitchburgstate.edu) and **Tom Bella**. *The spectral connection matrix for any change of basis within the classical real orthogonal polynomials.*

An introduction to the so-called spectral connection matrix will be presented, as well as an explanation of its relationship to changes of basis into the classical real orthogonal polynomials from a Bochner-type set that allows for an order of magnitude improvement in computations to produce the connection matrix. (Received September 18, 2015)