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*Hermite and Laguerre Orthogonality of Bispectral nKP Hierarchy Wave Functions*

A combination of the bilinear equations of the KP hierarchy and the bispectral involution implies orthogonality with respect to classical inner products of coefficients from the expansions of their wave functions. In the commutative case, this has been useful for studying and answering open questions about so-called "exceptional orthogonal polynomials". As this talk will show, the proof works equally well in the case of matrix wave functions of the nKP hierarchy. (It is hoped that the audience might help the speaker identify some applications of this result, because he is unaware of any so far!)