



# On the orthogonality of $q$ -classical polynomials of the Hahn class II

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In this article, the study of the orthogonality properties of  $q$ -polynomials of the Hahn class started in the initial article by R. Alvarez-Nodarse, R. Sevinik-Adiguzel, and H. Taseli, "On the orthogonality of  $q$ -classical polynomials of the Hahn class I" is proceeded. To be more specific, the orthogonality properties of the  $q$ -polynomials belonging to the  $\emptyset$ -Hermite-Laguerre/Jacobi,  $\emptyset$ -Jacobi/Hermite-Laguerre,  $0$ -Laguerre/Jacobi-Bessel and  $0$ -Jacobi/Laguerre-Bessel cases are studied by taking into account the idea considered in the initial paper. In particular, a new orthogonality relation for the  $q$ -Meixner polynomials is established.

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