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Jasper V. Stokman* (j.v.stokman@uva.nl), Korteweg-de Vries Institute for Mathematics, University of Amsterdam, Science Park 904, 1098 XH Amsterdam, Netherlands. *Jackson integral solutions of reflection quantum Knizhnik-Zamolodchikov equations*. Preliminary report.

Two decades ago Reshetikhin extended the algebraic Bethe ansatz method to produce solutions of quantum Knizhnik-Zamolodchikov equations as Jackson integrals of weighted Bethe vectors. In this talk I present the extension of this result for Cherednik's reflection quantum Knizhnik-Zamolodchikov equations. I also explain how the simplest solution relates to Bailey's summation formula for very-well-poised ${}_6\Psi_6$ series. This talk is based on joint work with Nicolai Reshetikhin and Bart Vlaar. (Received September 09, 2012)