ERRATUM TO "ASYMPTOTICS OF q-PLANCHEREL MEASURES"

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ERRATUM

Contrary to what is claimed in Section 5.3 of the paper, the density of polynomials in $\mathscr{C}^1([-1,1])$ is not sufficient to prove the convergence of $D_{n,q}(f_i)$ for continuously differentiable functions f_i. Therefore we can only prove the fluctuations of polynomial functions evaluated on random Young diagrams distributed with $M_{n,q}$ and not the fluctuations of the rows themselves. The fluctuation of the rows, as stated in Theorem 2, was proved afterward by Alexey Bufetov by another method, see

A. Bufetov. A central limit theorem for extremal characters of the infinite symmetric group. *Funct. Anal. Appl.*, 46(2):83–93, 2012.