

ERRATUM

Volume 112, Number 1 (2001), in the article “Basic Analog of Fourier Series on a q -Linear Grid,” by J. Bustoz and J. L. Cardoso, pages 134–157 (doi:10.1006/jath.2001.3599): Several mathematical expressions contain typographic errors, as follows:

In Eq. (4.1) on page 137, there should be no comma between λ_i and u_i ; thus, the equation should read

$$\frac{\delta}{\delta z} \left(\frac{\delta u}{\delta z} \right) + \lambda_i u_i = 0.$$

In Eq. (5.4) on page 142, the left-hand side should be multiplied by a factor of $q^{m-1/4+\alpha_m}(q; q^2)_\infty$. On the same page, in the expression for A_k , the exponent of q should be $(k+m-1)(k+m+1)$ rather than $(k+m-1)(k+m+2)$.

On page 143, in the line after Eq. (5.8), the mathematical expression should read $\omega_k = q^{-k+1/4+\varepsilon_k}$.

In the proof of Theorem 6.1 on page 147, the mathematical expression in the fifth line should read $\liminf_{k \rightarrow \infty} |S_k| > 0$. In the two displayed expressions that follow, the denominators should read $(q^2, q^3; q^2)_{m+k}$ rather than $(q^2, q^3; q^2)_m$. The same change should be made in the first displayed equation on page 148.

In the proof of Theorem 7.2 on page 154, in the next to last line, the phrase “Since (7.7) vanishes identically” should be changed to “Since (7.9) vanishes identically.” On page 155, Eq. (7.11) should be followed by

$$\sum_{k=0}^{\infty} [g(q^k) + g(-q^k)] q^{(2n+1)k} = 0, \quad n = 0, 1, 2, \dots \quad (7.12)$$

On the line immediately following, the phrase “Now (7.5) and (2.6) give” should be changed to “Now (7.11) and (7.12) give.”