## Erratum: Some $_3\psi_3$ transformations formulas related to Bailey's $_2\psi_2$ [ARS Comb. 78, $_257\text{-}265$ (2006)]

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In a recent paper entitled "Some  $_3\psi_3$  transformations formulas related to Bailey's  $_2\psi_2$ " [ARS Comb. 78, 257-265 (2006)], the results derived in the paper are failure.

For example, the e=b case of the  $_3\psi_3$  transformation in Theorems 2.1 leads to zero on the right-hand side. However, specializing the left-hand side further by d=q a  $_2\phi_1$  sum is obtained which can be summed by the q-Gauss summation leading to a result unequal to zero - a contradiction. Hence Theorem 2.4 is also false. Similarly, the e=b case of the  $_3\psi_3$  transformation in Theorem 2.2 leads to zero on the right-hand side. The further reasoning is similar as in the above case of Theorem 1.1. Further, the z=q/a and e=bq case of Theorem 2.5 leads to a  $_3\psi_3$  summation (as in this case the  $_3\psi_3$  series on the right-hand side reduces to 1). Specializing this further by d=b leads to a  $_2\psi_2$  series evaluating to zero. However, the b=1 case is a  $_1\phi_0$  summation which evaluates by the q-binomial theorem to a nonzero expression - a contradiction.

Finally, the c=b case of Theorem 2.6 gives zero on the right-hand side and a  $_2\psi_2$  series on the left-hand side. Specializing this further by b=1 a  $_2\phi_1$  series is obtained which can be evaluated by the q-Gauss sum. The result is non-zero - again a contradiction.

As a matter of fact, the application of q-exponential method was not correct. In particular, the *termwise* application of the operator to the summands of the series was not justified.

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