

# Elliptic well-poised Bailey transforms and lemmas on root systems

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We list multiple series extensions of the elliptic WP Bailey transform and lemma on root systems, given in the classical case by Andrews and Spiridonov. Our work requires multiple series extensions of Frenkel and Turaev's  $q, p$ -Dougall summations due to Rosengren, and Rosengren and Schlosser. During our study, we discovered some new elliptic  $A_n$  Bailey transformation formulas, in addition to multiple series extensions of Frenkel and Turaev's  $q, p$ -Dougall summation. This is joint work with Michael Schlosser.