

NONCOMMUTATIVE EXTENSIONS OF RAMANUJAN'S ${}_1\psi_1$ SUMMATION*

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Abstract. Using functional equations, we derive noncommutative extensions of Ramanujan's ${}_1\psi_1$ summation.

Key words. noncommutative basic hypergeometric series, Ramanujan's ${}_1\psi_1$ summation

AMS subject classifications. 33D15, 33D99

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