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WZ pairs and q -analogues of Ramanujan series for $1/\pi$. (English) Zbl 1405.11021
J. Difference Equ. Appl. 24, No. 12, 1871-1879 (2018).

Summary: We prove q -analogues of two Ramanujan-type series for $1/\pi$ from q -analogues of ordinary WZ pairs.

MSC:

- [11B65](#) Binomial coefficients; factorials; q -identities
- [33C20](#) Generalized hypergeometric series, ${}_pF_q$
- [33F10](#) Symbolic computation of special functions (Gosper and Zeilberger algorithms, etc.)
- [33D15](#) Basic hypergeometric functions in one variable, ${}_r\phi_s$

Cited in **15** Documents

Keywords:

hypergeometric series; WZ and q -WZ pairs; q -identities; supercongruences

Full Text: [DOI](#) [arXiv](#)

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