Turkish Journal of Mathematics

Turkish Journal

The Rank and the Crank Modulo 5

of

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Mathematics

Abstract: Let p(n) denote the number of partitions of n. Ramanujan's partition congruences are p(5n + 4), p(7n + 5) and p(11n + 6) = mod 5, p(7n + 5) and p(11n + 6) = mod 5, p(7n + 5) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) = mod 5, p(7n + 6) and p(11n + 6) and

Keywords Authors

Turk. J. Math., 21, (1997), 169-178.

Full text: pdf

Other articles published in the same issue: Turk. J. Math., vol.21, iss.2.

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Page