

Year: 2011

Vol.: 79

Fasc.: 3-4

**Title:** Smooth shifted monomial products

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We use the large sieve inequality to show that if  $a_1, \dots, a_n$  are odd and coprime positive integers, then for a positive proportion of integral vectors  $(m_1, \dots, m_n)$  the values of the  $m_1^{a_1} \dots m_n^{a_n} - 1$  are rather smooth.

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