Title: The least nonzero digit of $n$ ! in base 12
Author(s): Jean-Marc Deshouillers and Imre Z. Ruzsa
We positively answer a question raised by the first author and prove that, for $1 \leq a \leq 11$, the sequence $\left\{n: \ell_{12}(n!)=a\right\}$ has an asymptotic density, which is $1 / 2$ if $a=4$ or $a=8$ and 0 otherwise; here $\ell_{b}(m)$ denotes the least nonzero digit of $m$ in base $b$.

## Address:

Jean-Marc Deshouillers
Université Bordeaux 1 et CNRS
UMR 5251
33405 TALENCE Cedex
France

## Address:

Imre Z. Ruzsa
Alfréd Rényi Institute of Mathematics
H-1364 Budapest, P.O. Box 127
Hungary

