

Year: 2013	Vol.: 82	Fasc.: 3-4
------------	----------	------------

Title: On p -adic T -numbers

Author(s): Tomislav Pejković

Denote by w_n^* and w_n the exponents of Diophantine approximation defined in Mahler's and Koksma's classifications of transcendental numbers, respectively. We prove that there are p -adic T -numbers ξ such that $w_n(\xi) - w_n^*(\xi)$ is any number chosen in the segment $[0, (n-1)/n]$ for all positive integers n and for $w_n(\xi)$ large enough. Thus we improve SCHLICKWEI's result [?] that p -adic T -numbers do exist.

Address:

Tomislav Pejković
Department of Mathematics
University of Zagreb
Bijenička cesta 30
10000 Zagreb
Croatia