MR1804954 (2001k:11151) 11K50
Hardcastle, D. M. (4-HWAT); Khanin, K. [Khanin, Konstantin M.] (4-HWAT)
On almost everywhere strong convergence of multi-dimensional continued fraction algorithms. (English summary)

The classical continued fraction gives an algorithm that associates to a given irrational \( \omega \in (0, 1) \) a sequence of pairs of integers \((p_n, q_n)\) with \(|q_n \omega - p_n| \to 0\). Finding such an algorithm in higher dimensions is a problem of considerable difficulty, and here one interesting approach is described. A strategy is given which provides a computer-aided rigorous proof of the almost-everywhere convergence of analogous Jacobi-Perron algorithms in higher dimensions. 

Thomas Ward

References


Note: This list reflects references listed in the original paper as accurately as possible with no attempt to correct errors.