Citations

From References: 9 From Reviews: 2

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

8. J. W. S. Cassels. _An Introduction to Diophantine Approximation (Cambridge Tracts in Mathematics and Mathematical Physics, 45)_ Cambridge University Press, 1957. MR007708

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

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