

Peer Review

Review of: "Arithmetic on Continued Fractions"

Anthony G. Shannon¹

1. Warrane College, University of New South Wales, Australia

I have been slow in my review because I have read and re-read this paper, as I found it enthralling. It is up there in quality, innovation, and interest with some of the classic papers on this topic, such as Bernstein (1964), Khinchin (1961), and Mack (1970). I suggest including these as additional references and some brief descriptions of them in the Introduction, along with an outline of the similarities and differences in the intentions of the authors.

The paper is both interesting and original, with neat properties of the algorithm, such as the “range of the homographic expression,” examples in Section 3, and Section 4: Solving Quadratic Equations. "Arithmetic with Arbitrary Intervals.

The paper is technically correct. The references are very limited, but both are apt.

I look forward to its publication so that I can notify my colleagues about it.

A.G. Shannon *PhD DSc*

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Declarations

Potential competing interests: No potential competing interests to declare.