Report on:RADEMACHER'S INFINITE PARTIAL FRACTION CONJECTURE IS (almost certainly) FALSE

This is an interesting paper. It presents substantial computational evidence concerning certain coefficients of the partial fraction expansion of the product

$$\prod_{j=1}^{N} \frac{1}{1-x^j}.$$

This evidence makes it very unlikely that Rademacher's conjecture that, for fixed h, k, l with $\gcd(h,k) = 1$, the coefficient of $(x - e^{2\pi i h/k})^{-l}$ tends to a limit as $N \to \infty$, is correct. However, it does not disprove it, nor does it describe analytically the behaviour of these coefficients for large N. (It is strongly suggested from the graphs presented in the paper that this behaviour should be describable.)

This paper should certainly be published somewhere, but, in view of its inconclusive nature, I do not think that it meets the high standards of Math. Comp.