PERIODDNESS OF L-VALUES

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ABSTRACT

In our recent work with Mat Rogers on resolving some Boyd's conjectures on two-variate Mahler measures, a new analytical machinery was introduced to write the values $L(E, 2)$ of L-series of elliptic curves as periods in the sense of Kontsevich and Zagier. In my talk I will outline the novelty of our method with Rogers in general settings and give an example of period expression for $L(E, 3)$.