
MATILDE LALIN, Université de Montréal

Polylogarithms and multizeta values in Mahler measure

The Mahler measure of a multivariable polynomial or rational function P is given by the integral of $\log |P|$ where each of the variables moves on the unit circle and with respect to the Haar measure. We will discuss some results involving formulas of Mahler measure of polynomials and rational functions yielding polylogarithms and multizeta values. We will focus specially in families of an arbitrary number of variables.