

Würzburg, Wintersemester 2009

Oberseminar ZAHLENTHEORIE

Freitag, den 27. März 2009, 14.00-15.00, HS 4

Dr. GIEDRIUS ALKAUSKAS (z.Zt. Max-Planck-Institut Bonn):

The structure of the dyadic period function: continued fractions and complex dynamics

Abstract. The distribution of rationals in the Farey tree is given by the Minkowski question mark function $?(x)$. The Stieltjes transform of $?(x)$ (the dyadic period function) satisfies the three term functional equation. Employing techniques from the analytic theory of continued fractions, complex dynamics and functions of several complex variables, we clarify the analytic structure of the dyadic period function.

Interessierte Zuhörer sind herzlich willkommen!

Jörn Steuding.