



UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

COLLOQUIUM

Driss Essouabi
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"Multivariable zeta functions: analytic continuation,
natural boundary, special values and applications"

Abstract: Zeta functions are an important tool in various branches of mathematics (Number Theory, Algebraic and Arithmetic Geometry, Mathematical Physics, Noncommutative Geometry, Fractal Geometry, ..)

In the first part of this talk, we will present some results and methods used to study the analytic continuation of multivariable zeta functions.

We will also give some applications arising from their study.

In the second part of this talk, we will report on some of our recent results in this subject. Some of them were obtained in collaboration with M. de Crisenoy, B. Lichtin, G. Bhowmik, K. Matsumoto and H. Tsumura.

Thursday, November 12, 2009

Surge 284

4:10-5:00pm

Tea Time at 3:40pm