

$$\frac{\zeta'_\beta(z)}{\zeta_\beta(z)} = \sum_{n=0}^{\infty} \mathcal{P}_{n+1} z^n$$

$$\zeta_\beta(z) = \frac{1 - z^N}{(1 - \beta z) \left(\sum_{n=0}^{\infty} T_\beta^n(1) z^n \right)}$$

$$f_\beta(z) = - \frac{1 - z^N}{\zeta_\beta(z)}$$

June 18th-29th, 2018

Pre-registration until May 04th, 2018
contact: etzetas2018@sciencesconf.org

$$K_0(\mathbb{R}\text{Var}) \otimes \mathbb{Z}[\frac{1}{2}]$$

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$$\zeta(s)\zeta(s') = \zeta(s, s') + \zeta(s', s) + \zeta(s+s')$$

$$f_\beta(z) = - \frac{1}{\zeta_\beta(z)}$$

$$c_{\beta, m} = \sum_{n=m}^{\infty} \frac{n!}{(n-m)! m!} \lfloor \beta T_\beta^n(1) \rfloor \left(\frac{1}{\beta}\right)^{n-m} > 0$$

$$F_{\text{Newton}, \beta}(\frac{d}{2}) - F_{\text{Hodge}, \beta}(\frac{d}{2}) = \text{ord}_\beta(\alpha_{t, \beta})$$

zet_{as}

SUMMER SCHOOL - 2018

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Zeta functions, polyzeta functions, arithmetical series: Applications to motives and number theory

SCIENTIFIC COMMITTEE: Georges Comte, Emmanuel Kowalski, François Loeser, Mark Pollicott, Emmanuel Royer, Jean-Louis Verger-Gaugry

ORGANIZING COMMITTEE: Georges Comte, Michel Raibaut, Jean-Louis Verger-Gaugry

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COURSES:

- Siegfried Boecherer, Alexei Pantchichkine: *p-adic and Complex L Functions on Classical Groups: Admissible Measures, Special Values*
- Georges Comte: *Real Motivic Milnor Fibre of Semi-Algebraic Formulas, α -Minimality*
- Driss Essouabri: *Dirichlet Series and Zeta Functions of One and Several Variables, Manin Conjecture*
- Michel Raibaut: *Igusa Zeta Functions, Motivic Zeta Functions, Monodromy Conjecture*
- Jean-Louis Verger-Gaugry: *Limit Conjectures in Number Theory, Conjecture of Lehmer, Conjecture of Schinzel-Zassenhaus, Dynamical Zeta Function of the beta-shift*

Mini-Workshop on Voronin's Universality Theorem and Recent Developments
Introduction to PARI/GP (Bill Allombert)

ORGANIZERS



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