



Number Theory Seminar

On positive characteristic zeta values taken at integers

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Abstract

A well-known open problem is to find all algebraic relations among Riemann zeta values taken at positive integers greater than 1. Conjecture is that the Bernoulli-Euler formula for $\zeta(n)$ with n even positive gives all these algebraic relations.

I shall start with an analogous question with integers replaced by the polynomials in one variable over a finite field settled by Chang-Yu I (2007). Then the problem is extended to determine all algebraic relations among multiple zeta values. I shall report on the current developments, and the motivic method employed to attack these problems.

Date:	November 19, 2018 (Monday)
Time:	2:30 - 3:30pm
Venue:	Room 210, Run Run Shaw Bldg., HKU