



## Algebra and Number Theory Seminar

**Title:** Zeta Functions of an Optimal Tower of Function Fields

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**Date:** Mon 14th September 2009 at 4:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** A recursive formula of L-polynomial of each step was obtained. Additionally we prove that the Galois closure of the second Garcia-Stichtenoth tower is ordinary tower and hence the initial tower is also ordinary. In particular, L-polynomials up to step 6 were computed.

<http://arxiv.org/abs/0906.5252>