

“Truly fortunate are those who encounter the same opportunity more than once, for the first time even the wise might miss it, or fail to take advantage of it; but those who fail to recognize or exploit it the second time are entirely bereft of wisdom.”

-Francesco Guicciardini

The Trivial Notions Seminar
Proudly Announces

Shintani + Tate = ?

A talk by
Andrew Dittmer

Abstract

Once one knows that the Riemann zeta function can be analytically continued to the whole complex plane, it is possible to deduce two non-trivial properties of this continuation. One is that $\zeta(s)$ satisfies a functional equation; the other is that $\zeta(n)$ is rational if n is a nonpositive integer. The attempt to find appropriate generalizations of these two properties will lead through the Hurwitz/Lerch zeta functions, Poisson summation, and the Shintani zeta functions... and then touch upon the approach taken by Tate in his thesis.

Thursday December 12th, at 1:00 pm
Science Center 507