

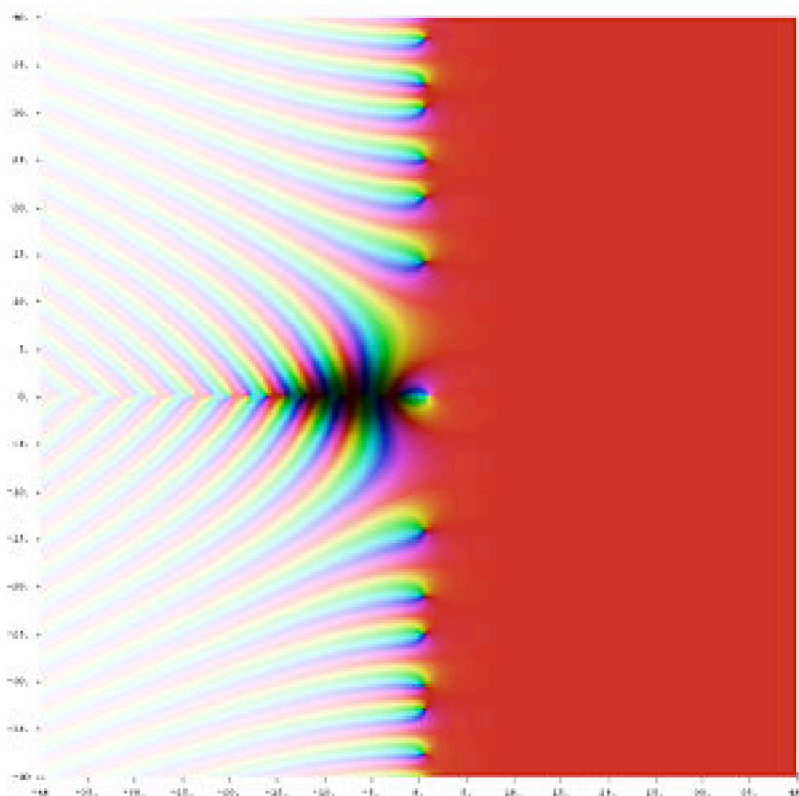
# The Oliver Club

[www.math.cornell.edu/~oliver/](http://www.math.cornell.edu/~oliver/)

## ***On Basic Structures of Automorphic Representations***

*We start with the multiplicative structure of numbers and their elementary local-global structure. Then we will discuss the local-global structure in elementary harmonic analysis and how to use it to study objects in number theory, such as Riemann zeta functions.*

*The modern theory of automorphic forms is a natural extension of this classical theory which encodes the deep local-global relations for harmonic analysis or representations of reductive algebraic groups over number fields. This becomes the main part of the Langlands program. I will discuss my recent work along these lines.*



**Dihua Jiang**

University of Minnesota

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).

Thursday, April 17, 2008

at 4:25 PM in 406 Malott Hall