Séminaire de théorie des nombres

Le 10 Mars 2003 à 14h15

Some matrix representations of the parameters of the Grothendieck-Teichmüller group

Exposé de H. Nakamura

Résumé : It is well known that the absolute Galois group of the rational number field is embedded in the Grothendieck-Teichmüller group GT. The main parameter of GT is valued in the free profinite group of two variables. We specialize these variables to certain 2 by 2 matrices, and find the parameter images closely related with Anderson-Ihara's adelic beta functions.