

Colloquium

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*Columbia*

On the Average Number  
of Occurrences of  
a Generator in Words  
in a Group

*Abstract: Consider an arithmetic group  $G$  given by generators and relations. We shall obtain a new type of asymptotic formula for the average number of occurrences of a fixed generator in words in the group  $G$ . The proof of the asymptotic formula is based on properties of modular symbols and Eisenstein series twisted by modular symbols, all of which will be defined in the talk.*

Wednesday, November 12

4:00 pm

204 Smith Hall