

1096-05-1539

Martin Downs and **Gareth A. Jones*** (g.a.jones@maths.soton.ac.uk). *Enumerating regular objects with a given automorphism group.*

The talk will describe how Hall's theory of Möbius inversion in groups allows one to enumerate regular objects such as maps and hypermaps on surfaces, dessins d'enfants, and coverings of topological spaces, with a given finite automorphism group. It will include some new examples in which the automorphism groups are simple Suzuki groups $Sz(q)$. (Received September 16, 2013)