

# Table of Contents for MEMO/251/1194

## Orthogonal and Symplectic $n$ -level Densities

- Introduction
- Eigenvalue statistics of orthogonal matrices
- Eigenvalue statistics of symplectic matrices
- $L$ -functions
- Zero statistics of elliptic curve  $L$ -functions
- Zero statistics of quadratic Dirichlet  $L$ -functions
- $n$ -level densities with restricted support
- Example calculations
- Bibliography