



Lecture in honor of Sofia Kovalevskaya,
the very first female Professor
in mathematics.

Donna Testerman

Maximal subgroups, representation theory and branching problems

Sofia Kovalevskaya

Friday, January 13th - 16:15 in V2-210/216

Abstract:

We first survey old results on the subgroup structure of the classical groups $SL(n, K)$, $Sp(2n, K)$ and $SO(n, K)$ in particular, a reduction theorem for classifying the maximal subgroups and the methodology developed by Dynkin and Seitz for completing this classification. We then turn to more recent offshoots of this work, exploiting the techniques and developing others, to study restrictions of irreducible representations to certain maximal subgroups.

The more recent results discussed appear in work of Burness, Cavallin, Ford, Ghandour, Liebeck, Marion and Seitz

Everybody is welcome to participate.

Tea and coffee will be served at 15:30 in V3-201.

