

February 14: David Vogan, *Weyl group calculations*.

When G is a real reductive group, the `atlas` software can calculate certain Weyl group representations attached to G . I will give an elementary introduction to these matters. In particular, I hope to explain how the split real group of type F_4 gives Weyl group representations of dimensions 47, 57, and 72. I believe that a deeper account will be given by Jeffrey Adams in two weeks.