

February 5: Jeffrey Adams (University of Maryland), *Computing unipotent representations*. (Adams' slides narrated by David Vogan.)

Jim Arthur has conjectured the existence of a certain representations of a reductive group over a local field, which he calls *unipotent*. In general there is no complete definition of this term. Even in the case of real groups there is more than one definition of the term unipotent. Furthermore, even in cases when there is a precise definition there is typically no known algorithm to explicitly compute these representations, say in terms of their Langlands parameters. In this talk I will discuss some progress on computing unipotent representations in the real case. This is part of the Atlas of Lie Groups and Representations project.

This talk was to be delivered by Jeffrey Adams at the JMM in Denver last month. He was unable to attend, so he prepared self-explanatory slides which were nicely narrated by Peter Trapa. I (David Vogan) would like to try my hand at channeling Jeff, so I will present his slides from the Denver meeting.