

February 21: Bertram Kostant (MIT), “On maximal Poisson commutative subalgebras of $S(g)$ and corresponding Darboux coordinates on any reductive Lie algebra g .”

Recently, using Gelfand-Zeitlin theory and the space of Hessenberg matrices, Wallach and I found natural Darboux coordinates (as a classical mechanical solution of the Gelfand-Kirillov question) on g for the case where g is the space of all matrices. Now, at least locally, I do the same for any g using neat results of A. A. Tarasov on Fomenko-Miscenko theory and old results of mine on a generalization of the Hessenberg matrices.