

1123-53-347

Victor Mouquin* (mouquinv@math.toronto.edu). *The Fock-Rosly Poisson structure as defined by a quasitriangular r -matrix.*

The moduli space of flat G -connections over a Riemann surface Σ is well known to admit a natural Poisson structure. If one looks at principal G -bundles trivialized over finitely many points v_1, \dots, v_n lying in the boundary of Σ , Fock and Rosly have constructed a Poisson structure on the corresponding moduli space of flat connections which depends on the choice of an r -matrix for each point v_j . We show that this Fock-Rosly Poisson structure is defined by a quasitriangular r -matrix, and is an example of a so-called mixed product Poisson structure defined by actions of pairs of dual Lie bialgebras. (Received August 29, 2016)