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On the Virasoro coadjoint action

The Virasoro algebra $\mathfrak{vir}$ is the non-trivial central extension of the Lie algebra of vector fields on the circle. There is a well-known 1-1 correspondence between the coadjoint orbits in the level 1 subspace $\mathfrak{vir}_1^* \subset \mathfrak{vir}^*$ and conjugacy classes in a certain open subset $U \subset \widetilde{\mathrm{SL}}(2, R)$. We extend this correspondence by taking into account the geometric structure, giving a Morita equivalence between the Poisson structure on $\mathfrak{vir}_1^*$ and the Cartan-Dirac structure on U. (Joint work with Anton Alekseev.)