

Cluster structure of Teichmueller space of closed geodesics

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The symplectic groupoid of unipotent upper-triangular matrices is equipped with the natural Poisson bracket introduced and studied by A.Bondal. We discuss log-canonical coordinates on symplectic groupoid compatible with this Poisson bracket. As a byproduct we obtain a cluster structure on the Teichmueller space of closed genus two surfaces. This is a joint work with L.Chekhov.