

Continuous limit of frieze patterns and discretization of a Virasoro orbit

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This talk is an account of a joint work with V. Ovsienko. We view the space of classical Coxeter's frieze patterns as a discrete version of a coadjoint orbit of the Virasoro algebra. The canonical (cluster) (pre)symplectic form on the space of frieze patterns is a discretization of the Kirillov symplectic form. We define a continuous version of frieze patterns and relate it to conformal metrics of constant curvature in dimension 2.