Topology, Algebraic Geometry, & Dynamics Seminar

Dynamics on nilpotent character varieties

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Let $\mathcal{R}(N,G)$ be the connected component of the identity of the variety of representations of a finitely generated nilpotent group N into a connected compact Lie group G, and let $\mathcal{X}(N,G)$ be the corresponding moduli space. With J-P Burelle I show in `arXiv:2111.11922` there exists a natural $\mathrm{Out}(N)$-invariant measure on $\mathcal{X}(N,G)$ so that if $\mathrm{Out}(N)$ has at least one hyperbolic element, the action of $\mathrm{Out}(N)$ on $\mathcal{X}(N,G)$ is mixing with respect to this measure. In this talk I will illustrate this theorem with an example.

Date: **Friday, March 11, 2022**
Time: **3:30-4:30 pm (special time)**
Place: **4106 Exploratory Hall**

For special accommodations, please contact David Carchedi via email at `dcarched@gmu.edu`.