Geometry, Groups and Dynamics/GEAR Seminar (held at the Illinois hub of GEAR)

12:00 pm, Thursday, January 19, 2017, 243 Altgeld Hall

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Orders from $\$ widetilde{PSL_2(\mathbb{R}))\$ Representations and Non-examples Abstract: Let \$M\$ be an integer homology 3-sphere. One way to study left-orderability of \$\pi_1(M)\$ is to construct a non-trivial representation from \$\pi_1(M)\$ to \$\widetilde{PSL_2(\mathbb{R}))}\$. However this method does not always work. In this talk, I will give examples of non L-space irreducible integer homology 3-spheres whose fundamental groups do not have nontrivial \$\widetilde{PSL_2(\mathbb{R}))}\$ representations. \underline{Video}