Topology, Algebraic Geometry, & Dynamics Seminar

Closed affine manifolds with partially hyperbolic linear holonomy

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We give some introduction to the field of complete affine n-manifolds, i.e., quotients of the affine n-space by properly discontinuous actions of affine transformation groups. We will try to show that closed manifolds of negative curvature do not admit complete special affine structures whose linear parts are partially hyperbolic in the dynamical sense. We can drop the negative curvature condition. We present our attempt here. (Partially a joint work with Kapovich.)

Date: Friday, February 7, 2020
Time: 1:30-2:30 pm
Place: 4106 Exploratory Hall

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