

**FLEXIBILITY OF CODIMENSION-ONE LOCALLY FREE  
ACTIONS OF THE AFFINE GROUP**

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In 1979, E. Ghys showed that any codimension-one locally free actions of the affine group of the real line is a homogeneous one if it admits an invariant volume. In this talk, we will see that there exists a non-homogeneous action if we drop the assumption on the existence of an invariant volume. Moreover, it will be shown that the actions are completely classified up to smooth conjugacy and they are parametrized by an convex open subset of the first cohomology group of the manifold on which the group acts. (Reference: ArXiv:math-DS/0702833)