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HIGHER RANK LATTICE ACTIONS WITH POSITIVE ENTROPY

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In this talk, I will discuss about smooth higher rank lattice actions on manifolds with positive entropy. In particular, when lattices in  $SL(n, \mathbb{R})$  act on an  $n$ -dimensional manifold with positive entropy, we can see that the lattice is commensurable with  $SL(n, \mathbb{Z})$  and some information on manifolds.

This is joint work with Aaron Brown.