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*A construction of the Bowen measure from heteroclinic points*

We consider the class of irreducible hyperbolic dynamical systems known as irreducible Smale spaces. In a Smale space the dynamics give rise to notions of stable and unstable equivalence. Furthermore, for each such space there is a unique invariant probability measure that maximizes the entropy (the Bowen measure). Bowen constructed this measure as a limit of measures supported on periodic points. We provide an alternative construction as a limit of measures supported on heteroclinic points (points that are stably equivalent to some given point, and unstably equivalent to another given point). Our proof relies on properties of shifts of finite type, and resolving factor maps. This is joint work with Ian Putnam.