On measure expansive diffeomorphisms

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Let f: M $\to$ M be a diffeomorphism defined on a compact boundaryless d-dimensional manifold M, d > 2. We show that diffeomorphisms in a residual subset far from homoclinic tangencies are measure expansive. We also show that surface diffeomorphisms presenting homoclinic tangencies can be C^1-approximated by non-measure expansive diffeomorphisms. This corresponds to a jint work with J. Vieitez.