

Anosov tori in three-manifolds

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Abstract: We study the effect of the mapping class group of a reducible three-manifold M on each incompressible surface that is invariant under a self-homeomorphism of M . In particular, we show that a closed oriented reducible three-manifold admits an Anosov torus if and only if one of its prime summands admits an Anosov torus, answering a question of F. Rodriguez Hertz, M. Rodriguez Hertz and R. Ures. This is joint work with Shicheng Wang.