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Structural Stability for Fibrewise Anosov Diffeomorphisms on Principal Torus Bundles

A fibrewise Anosov diffeomorphism is a fibre-preserving diffeomorphism on a fibre bundle that preserves an invariant hyperbolic splitting along the fibres. We discuss a parametrized version of the Franks-Manning classification on principal torus bundles, that is, every fibrewise Anosov diffeomorphism on a principal torus bundle is topologically conjugate to a map that is linear in the fibres.