

Invariant measures for 2D inviscid fluids with linear damping and stochastic forcing term

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We study the two-dimensional Euler equations, damped by a linear term and driven by an additive noise. We prove existence of an invariant measure in the space L^∞ , where the problem has a unique global solution. This requires to deal with the weak-* topology and the associated Markov semigroup is proven to be sequentially weakly Feller.