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**Strong mixing measures for $C_0$-semigroups**

We will present a general method to prove that certain $C_0$-semigroups admit invariant strongly mixing measures. More precisely, the Frequent Hypercyclicity Criterion for $C_0$-semigroups ensures the existence of invariant mixing measures with full support. Our approach is different from Bayart and Matheron’s [1] and Rudnicki’s (see, e.g., [2]). We will give some examples, that range from birth-and-death models to the Black-Scholes equation, which illustrate these results. This is a joint work with Marina Murillo-Arcila.

**References**