RAZVAN ANISCA, Lakehead University, Thunder Bay, Ontario, Canada
Some remarks on ergodic Banach spaces

A separable Banach space X is said to be ergodic if the relation E_0 of eventual agreement between sequences of 0's and 1's is Borel reducible to isomorphism between subspaces of X. This means that there exists a Borel map f mapping elements of 2^ω to subspaces of X such that $\alpha E_0 \beta$ if and only if $f(\alpha) \simeq f(\beta)$. In particular, an ergodic Banach space X must contain 2^ω mutually non-isomorphic subspaces.

We present a constructive version of a recent result of Dilworth, Ferenczi, Kutzarova and Odell regarding the ergodicity of strongly asymptotic ℓ_p spaces.