

Additive Combinatorics
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Point spectra of partially power-bounded operators and shift-invariant metrics on T

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Abstract

I present a construction of partially power-bounded operator with a big point spectra on a separable space. The construction is based on a set of metrics on the unit circle, which reflect possibility to approximate a number by rational numbers. The aim of the talk is to set up some Fourier Analytical questions about the metrics.

Joint with T. Ransford.