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Notes on spectral theory on Banach spaces

Abstract

We consider a compact linear map T acting between Banach spaces both of which are uniformly convex and uniformly smooth; it is supposed that T has trivial kernel and range dense in the target space. We will try to find conditions under which the action of T is given by a series. This provides a Banach-space version of the well-known Hilbert-space result of E. Schmidt. Based on joint work/collaboration with Edmunds/Evans/Harris.

Talk time: 2016-07-21 15:30— 2016-07-21 15:50

Talk location: Cupples I Room 215

Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang