

UNIVERSITY OF PUERTO RICO
RIO PIEDRAS CAMPUS
FACULTY OF NATURAL SCIENCES
DEPARTMENT OF MATHEMATICS

ANALYSIS SEMINAR

THE MAXIMAL SUBSPACE FOR GENERATION
OF (a, k) –REGULARIZED FAMILIES

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Abstract

Let A be a linear operator in a Banach space X . We define a subspace of X and a norm such that the part of A in such subspace generates an (a, k) –regularized resolvent family. This space is maximal-unique in a suitable sense and non-trivial, under certain conditions on the kernels a and k .

Wednesday, September 26, 2012

11:30 am-12:30 pm

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