

PSEUDO-RESOLVENTS AND SEMIGROUPS

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Abstract

The present paper is divided in two sections. In the first section a short introduction about pseudo resolvents and semigroups is given. The second section is dedicated to generated pseudo resolvents and to the class of $L1$ -type pseudo resolvents. A theorem of characterization for $L1$ -type pseudo resolvents is given. Necessary and sufficient conditions that a linear operator to be the generator of a $L1$ -type pseudo resolvent are also given.

Keywords: Generated pseudo resolvent, $L1$ -type, $C0$ -Semigroup, equicontinuous.

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