

ALGEBRAIC REFLEXIVITY FOR SEMIGROUPS OF OPERATORS*

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Abstract. Algebraic reflexivity of sets and semigroups of linear transformations are studied in this paper. Some new examples of algebraically reflexive sets and semigroups of linear transformations are given. Using known results on algebraically orbit reflexive linear transformations, those linear transformations on a complex Banach space that are determined by their invariant subsets are characterized.

Key words. Semigroup of linear transformations, Algebraic reflexivity.

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