

Povzetek

V diplomski nalogi se ubadam z matrično karakterizacijo operatorskih prostorov.

Najprej se proučijo nekatere splošne lastnosti matrično normiranih prostorov in (L^∞) matrično normiranih prostorov. Pokazano je, da se matrična normiranost in lastnost (L^∞) ohranjata tudi pri adjungiranih prostorih.

Podan je izrek, ki pokaže potrebnost pogoja (L^∞) za operatorske prostore.

Na koncu je dokazana tudi zadostnost pogoja (L^∞) za to, da je matrično normiran prostor do popolnega izomorfizma operatorski prostor. V dodatku so navedeni nekateri zanimivi zgledi.

Abstract

Necessity of (L^∞) condition is considered.

At the end sufficiency of (L^∞) condition is considered. Simple matrix characterization of the subspaces of C^* -algebras is given. The latter result is used to study the Haagerup tensor products and quotients of subspaces of C^* -algebras.

Math. Subj. Class. (1991):46 L 35

Key words: C^* -algebras, operator spaces, states, matrixly normed spaces.

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