

Lobachevskii Journal of Mathematics 2014 vol.35 N2, pages 51-55

Operator algebras associated with multi-valued mappings

Arzumanian V., Grigoryan S., Kuznetsova A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

In the paper a new approach is proposed to construction of operator algebras generated by multi-valued mappings on a countable set. We present initial results, discuss the connection with known structures, outline further research directions. © 2014 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1995080214020036>

Keywords

C*-algebra, conditional expectation, crossed product, many-valued mapping, polymorphism, representation