

**JORDAN ALGEBRAS OF ABSTRACT  
MEASURABLE OPERATORS FOR JBW-ALGEBRAS***F. N. Arzikulov*

We study measurable and locally measurable operators for JBW-algebras. These concepts are described abstractly, i.e; their definitions do not involve the notion of an unbounded operator. We establish that these operators form a Jordan analog of a Baer  $\ast$ -algebra and describe the relationship between abstract measurable operators for the Jordan algebras and those for their realizations in a Boolean-valued model of set theory.

*Key words and phrases:* JBW-algebra, JW-algebra, (locally) measurable operator associated with a JBW-algebra, Jordan algebra of measurable operators.

*Arzikulov Farkhodzhon Nematzhonovich*

Andijan State University,  
630090 Andijan, Uzbekistan.  
E-mail: arzikul@math.nsc.ru

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