

Dariusz Bugajewski, Adam Mickiewicz University, Poland. email:  
ddb@main.amu.edu.pl

## **NONLINEAR OPERATORS IN THE SPACE OF FUNCTIONS OF BOUNDED VARIATION IN THE SENSE OF JORDAN**

It is well-known that solutions to many differential and integral equations which describe concrete physical phenomena are functions of bounded variation in the sense of Jordan. From that perspective the Banach space of such functions forms an interesting place to examine classical nonlinear operators such as convolution operators, nonlinear superposition operators as well as nonlinear integral operators. The aim of this talk is to present mainly a collection of new results in this area. Particular attention will be paid to nonautonomous superstition operators since several interesting problems in this area have been open for many years.

---

Mathematical Reviews subject classification: Primary: ; Secondary:  
Key words: ,