1139-41-192 **Vladyslav Babenko\*** (`babenko.vladislav@gmail.com`), **Vira Babenko** and **Mariia Polischuk**. *Quadrature formulas for set-valued functions. Errors estimates. Optimization.*

We will consider various quadrature formulas for approximate integration of set-valued functions and give their error estimates. Several problems of optimization of such quadrature formulas will be considered as well. Besides, we will discuss possible generalizations of obtained results to the case of functions with values in L – spaces. (Received February 09, 2018)