1139-41-193 **Vira Babenko*** (`vbabenko@ithaca.edu`), **Vladyslav Babenko** and **Mariia Polischuk**.
Approximation of some classes of set-valued periodic functions by generalized trigonometric polynomials.

In approximation theory, problems on finding the exact solutions of best, best linear and best one-sided approximation, on the classes of periodic functions by trigonometric polynomials for real-valued functions, are well-studied. The purpose of this work is to generalize some of the results to the case of set-valued functions and more general functions with values in L-spaces. (Received February 09, 2018)