Performance of Fuzzy Optimization Problem

© L.A. Mochalov[1], M.S. Khrisat[2]

[1]Bauman Moscow State Technical University, Moscow, 105005, Russia
[2] Peoples' Friendship University of Russia, Moscow, 117198, Russia

The article deals with the traditional methods of obtaining point estimates with respect to the "hybrid" data, which are a type of fuzzy random variables. Using the theory of fuzzy linear systems it shows that the treatment of "hybrid" data there are "strong/weak" point estimates of parameters. A simple example of processing fuzzy random data is described.

Mochalov L.A. (b. 1941) graduated from the Moscow Institute for Power Engineering in 1965 and Lomonosov Moscow State University in 1971. Dr. Sci. (Eng.), professor of the Automatic Control Systems Department of Bauman Moscow State Technical University. Author of more than 100 publications in the field of theory and practice of optimization and identification of automatic control systems.

Khrisat M.S. (b. 1981) graduated from the New-York Institute of Technology in 2007 with master degrees. Since 2007 he has been working in the Al-Balqa Applied University as Lecturer; now is a post-graduate student at the Peoples' Friendships University of Russia (since 2012). e-mail: mohd.khrisat@fet.edu.jo