

Splines for the Set Functions

Vasile Postolica

*Romanian Academy of Scientists;
Vasile Alecsandri University of Bacău, Faculty of Sciences, Department of Mathematics,
Informatics and Educational Sciences, Romania
e-mail: vpostolica@ambra.ro*

Following the multiple possibilities to approximate any set function using proper sequences of countable additive set-functions and our main conclusions given in [1]–[3] concerning the best approximation, we present the adequate splines for the set-functions.

Keywords: set function, best approximation.

Bibliography

- [1] Isac, G., Postolica, V., *The Best Approximation and Optimization in Locally Convex Spaces*, Verlag Peter Lang GmbH, Frankfurt am Main, Germany, 1993.
- [2] Postolica, V., *A Method which Generates Splines in H -locally Convex Spaces and Connections with Vectorial Optimization*, *Positivity*, 2 (4), 1998, 369 - 377.
- [3] Postolica V., *On the Best Approximation of Set Functions*, *Proceeding of The Fourth International Conference on Functional Analysis and Approximation Theory*, Acquafreda di Maratea, Potenza - Italy, September 22 - 28, 2000. Published in *Supplemento ai Rendiconti del Circolo Matematico di Palermo*, serie II, no 68, 2002, p. 761–775.