Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

Proximinality in L¹(I,X)

Sh. AL-SHARIF, R. KHALIL
Mathematics Department,
Yarmouk University,
Jordan University, Irbed-JORDAN
e-mail: Sharifa@yu.edu.jo

e-mail: Roshdi@ju.edu.jo

Keywords

Authors

Abstract: Let X be a Banach space and let (I,Ω ,μ) be a measure space. For 1 \leq p < \infty, let $L^p(I,X)$ denote the space of Bochner p-integrable functions defined on I with values in X. The object of this paper is to give sufficient conditions for the proximinality of $L^1(I,H)+L^1(I,G)$ in $L^1(I,X)$, where H and G are two proximinal subspaces of X which include as a special case the proximality of $L^1(I) \times L^1(I) \times L^1(I)$



Key Words: Proximinal, Banach spaces

math@tubitak.gov.tr

Scientific Journals Home Page Turk. J. Math., 32, (2008), 187-195.

Full text: pdf

Other articles published in the same issue: Turk. J. Math., vol.32, iss.2.