REGULAR COSINE FAMILIES OF LINEAR SET–VALUED FUNCTIONS

MASOUMEH AGHAJANI

Abstract. This paper is concerned with the properties of regular cosine families of continuous linear set-valued functions defined on convex cones of normed spaces. We consider conditions under which a regular cosine family of continuous linear set-valued functions is continuous and then generalize some recent results on commutativity and Hukuhara’s derivative of regular cosine families of continuous linear set-valued functions.


Keywords and phrases: Riemann integral of set-valued functions, cosine families, Hukuhara’s derivative, linear set-valued functions.

REFERENCES
