On a special class of fractional 
set-valued functions

Alexandru Orzan
03.05.2018

Abstract
Linear fractional real-valued functions play an important role in scalar optimization and have been intensively studied in the literature. Jointly with Professor Nicolae Popovici we have introduced a new class of fractional type set-valued functions, defined by means of affine set-valued functions in the sense of V.V. Gorokhovik (2008). We study some geometric properties of these functions.