

# On a special class of fractional set-valued functions

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## **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. Gorokhovich (2008). We study some geometric properties of these functions.