

Year: 2007

Vol.: 70

Fasc.: 1-2

Title: A Matkowski–Sutô type equation

Author(s): Pál Burai

In the present paper we deal with the following equation:

$$\varphi^{-1}(\alpha\varphi(x) + (1-\alpha)\varphi(y)) + \psi^{-1}((1-\alpha)\psi(x) + \alpha\psi(y)) = x + y,$$

where φ and ψ are strictly monotone and continuous functions on the same interval. We give the continuously differentiable solutions.

Address:

Pál Burai
Institute of Mathematics
University of Debrecen
H-4010 Debrecen, P. O. Box 12
Hungary