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Title: A Matkowski–Sutô type equation

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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.

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