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Title: A class of Finsler metrics projectively related to a Randers metric

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In this paper, we prove that the (α, β) -metrics in the form $F = (\alpha + \beta)^p / \alpha^{p-1}$ ($p \neq 1, 2$) are projectively related to a Randers metric $\bar{F} = \bar{\alpha} + \bar{\beta}$ on a manifold of dimension n ($n \geq 3$) if and only if F is Berwald metric and $\bar{F}$ is Douglas metric and the corresponding Riemannian metrics α and $\bar{\alpha}$ are projectively related.

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