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Title: On a class of projectively flat (α, β) -metrics

Author(s): Xinyue Cheng and Ming Li

In this paper, we find a sufficient and necessary condition for an important class of (α, β) - metrics in the form $F = \alpha\phi(\beta/\alpha)$ to be locally projectively flat, where $\phi = \phi(s)$ is a positive C^∞ function satisfying certain conditions, characterized by a polynomial or a power series of s , α is a Riemannian metric and β is a 1-form.

Address:

Xinyue Cheng
School of Mathematics and Physics
Chongqing Institute of Technology
Chongqing 400050
P.R. China

Address:

Ming Li
School of Mathematics and Statistics
Southwest University
Chongqing 400715
P.R.China