

Review Report

On

On a Class of Curvature Properties of Projectively flat Finsler (α, β) –metric

Author considers a class of Finsler metric of the form $F = \alpha + \beta + \frac{2\beta^2}{\alpha} - \frac{\beta^4}{3\alpha^3}$ and obtain a necessary and sufficient condition for F to be projectively flat. Further, he proves that such projectively flat Finsler metrics with the constant flag curvature must be locally Minkowskian.

The results obtained are interesting. Presentation of paper is also good. Some suggestions are as followings:

1. Page-1: Finsler (α, β) -metric ----- Finsler (α, β) –metric
2. Page-1: from bottom: β is closed[1]. ----- β is closed [1].
3. Page-2: Break equation (2.1) in two lines.
4. Page-2: Write equation (2.2) in a single line with ending comma and in next line Where should be where
5. Page-2: In Lemma 2.2, $F = \alpha\phi\left(\frac{\beta}{\alpha}\right)$ should be $F = \alpha\phi(s)$
6. Page-2: Finser metric should be Finsler metric
7. Page 4: By Lemma (2.1) should be By Lemma 2.1 and By Lemma (2.2) as By Lemma 2.2
8. Page 4: write (3.1) in the same line of equation.
9. Page 4: $G^i = G^i(x, y)$ are used as spray coefficient and geodesic coefficient both, it is confusing. Geodesic coefficient G^i is written as G_i . It should be corrected.
10. Page 5: (3.8) should be in front of equation.
11. Put a comma after Thus,
12. Page 7: is of scalar curvature with the flag curvature should be in a single line as is of scalar curvature with the flag curvature

13. Page 7: Full stop after $K = \frac{(P^2 - P_{x^k y^k})}{F^2}$. and comma after Then,
14. Page 8: Write **Proposition 1**. As **Proposition 3.1**.
14. Page 9: Write Where η_0 as where η_0
15. Page 10: Write (3.29), (3.30) in front of equations.
16. Page 10: Equations (3.34) , (3.35) should end with full stop.
17. Page 11: References [2], [3] should have page and volume numbers.
18. Page 12: J.Bull Amer Math. Soc., should be as J. Bull. Amer. Math. Soc.,
And Bull. Of Transilvania Uni. Of Brasov, should be as Bull. of Transylvania Uni.
of Brasov,

Recommendation: The paper may be published in the journal after removing the typing mistakes.