

Year: 2017

Vol.: 91

Fasc.: 3-4

Title: On warped Finslerian gradient Ricci solitons

Author(s): Masumeh Khameforoush Yazdi, Yousef Alipour Fakhri and Morteza Mirmohammad Rezaii

In this work, we study warped Finslerian gradient Ricci solitons where the base space is Riemannian, and it is showed that the potential function depends only on the base space, or else the warping function is a constant. Also, we prove that a warped product Finsler manifold, when the base space is conformal to a Euclidean space, is a gradient Ricci soliton if and only if the warping and potential functions satisfy some partial differential equations.

Address:

Masumeh Khameforoush Yazdi
Department of Complementary Education
Payame Noor University
Tehran
Iran

Address:

Yousef Alipour Fakhri
Department of Mathematics
Payame Noor University
19395-3697, Tehran
Iran

Address:

Morteza Mirmohammad Rezaii
Faculty of Mathematics and Computer Sciences
Amirkabir University of Technology
424 Hafez Ave.
Tehran
Iran