

Year: 2012

Vol.: 81

Fasc.: 1-2

Title: Conformal invariances of two-dimensional Finsler spaces with isotropic main scalar

Author(s): Guojun Yang and Xinyue Cheng

In this paper, we study the conformal invariances of the two-dimensional Finsler spaces with isotropic main scalar. In particular, we prove that a two-dimensional Finsler space with isotropic main scalar is locally conformally flat if and only if the main scalar is constant.

Address:

Guojun Yang
Department of Mathematics
Sichuan University
Chengdu 610064
P.R. China

Address:

Xinyue Cheng
School of Mathematics and Statistics
Chongqing University of Technology
Chongqing 400054
P.R. China