

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