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**Title:** On Randers metrics of isotropic scalar curvature

**Author(s):** Xinyue Cheng and Mingao Yuan

In this paper, we study the scalar curvature defined by H. Akbar-Zadeh in Finsler geometry and obtain the formula of scalar curvature for Randers metrics. We prove that a Randers metric of isotropic scalar curvature must be of isotropic  $S$ -curvature. Further, we consider Yamabe problem on Randers manifolds and give a negative answer to Yamabe problem on Randers manifolds with isotropic  $S$ -curvature.

**Address:**

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

**Address:**

Mingao Yuan  
Department of Mathematical Sciences  
Indiana University-Purdue  
University Indianapolis(IUPUI)  
Indianapolis, IN46202  
USA