Title: On Einstein square metrics

Author(s): Zhongmin Shen and Changtao Yu

Square metrics arise from several classification problems in Finsler geometry. Some of them have special geometric properties. In particular, there are non-trivial projectively flat square metrics with vanishing Riemann curvature. In this paper, we give two expressions for a square metric. We show that Einstein square metrics can be classified up to the classification of Einstein Riemannian metrics.

Address:
Zhongmin Shen
Department of Mathematical Sciences
Indiana University-Purdue University
Indianapolis, IN 46202-3216
USA

Address:
Changtao Yu
School of Mathematical Sciences
South China Normal University
Guangzhou, 510631
P.R. China