Title: Conformal flatness of complex Finsler structures

Author(s): Tadashi Aikou

In the present paper, we shall be concerned with conformal flatness of convex Finsler structures. We introduce a complex Finsler connection and define its conformal curvature Θ. This curvature Θ is invariant by any conformal rescaling of the convex Finsler structure. Our main result is to show that this conformal curvature measures the conformal flatness.

Address:
Tadashi Aikou
Department of Mathematics and Computer Science
Kagoshima University
1-2-35 Korimoto Kagoshima, 890
Japan
E-mail: aikou@sci.kagoshima-u.ac.jp