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Zhongmin Shen* (zshen@math.iupui.edu), Math Dept, IUPUI, 402 N Blackford Street,
Indianapolis, IN 46202. *Geometric Meanings of Curvatures in Finsler Geometry.*

Finsler metrics are just Riemannian metrics without quadratic restriction. In Finsler geometry, there are several notions of curvatures. It is an important problem to understand their geometric meanings. In this talk, I will discuss some important curvatures and their relationship. I will also show some global rigidity theorems for Finsler metrics under certain curvature conditions. (Received February 20, 2009)