



*Institute of Mathematical Research
Department of Mathematics*

LECTURES ON GEOMETRY

Finsler geometry and conformal maps

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Abstract

In these lectures we will introduce the basic notions of Finsler geometry and describe some examples. In particular we will present the three main point of views on the subject, namely the "tensorial", "metric" and "convex geometry" aspects of Finsler geometry. Then we will describe a new construction that associates a Riemannian metric to a Finsler structure, and we will use this construction to solve some concrete problems in conformal Finsler geometry.

Lecture I:	November 24, 2010 (Wednesday)	3:00 - 4:30pm
Lecture II:	December 1, 2010 (Wednesday)	3:00 - 4:30pm
Place:	Room 210, Run Run Shaw Bldg., HKU	

All are welcome