



Mathematics > Metric Geometry

# On filling minimality of simple Finsler manifolds

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This paper states a formula for the difference of the Holmes-Thompson volumes of two simple Finsler manifolds of arbitrary dimension, in terms of the boundary distances and their derivatives. An application is a preconditioned filling minimality result.

Comments: 19 pages. v3 is a revised and extended version, containing an additional section on the analysis of the two-form, that is induced by boundary distances, near the diagonal

Subjects: **Metric Geometry (math.MG)**; Differential Geometry (math.DG)

MSC classes: 53C23, 53C60, 51K99

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