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Title: On a class of critical Riemann–Finsler metrics

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A generalized Einstein–Hilbert functional in Finsler geometry is defined and its Euler–Lagrange equation is derived, which depends on not only the Ricci scalar but also the mean Landsberg curvature. Such critical metrics include usual Riemann–Einstein metrics. Some non-Riemannian examples of critical metrics are given. Moreover, some rigidity theorems for a Finsler metric to be Riemannian are obtained.

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