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**Title:** On a class of projective Ricci flat Finsler metrics

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The projective Ricci curvature is an important projective invariant in Finsler geometry. In this paper, we study the projective Ricci curvature and characterize projective Ricci flat Randers metrics. As a natural application, we characterize projective Ricci flat Randers metrics with isotropic S-curvature. In this case, the metrics are actually weak Einstein Finsler metrics.

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