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**Projective Changes between Generalized (Alpha, Beta) - Metric & Randers Matrix**

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**Abstract**

Projective change between two Finsler metrics arises from Information Geom-etry. Such metrics have special geometric properties and will play an important role in Finsler geometry. The purpose of the present paper is to find a relation to characterize the projective change between generalized (*α*, *β*) - metric https://file.scirp.org/image/Edit_96f7276f-36c7-4657-adcf-68fd52e39658.png ( μ1, μ2 and μ3 ≠ 0 are constants) and Randers metric https://file.scirp.org/image/Edit_3b44a54e-79d8-497b-9c88-3ed851eb0246.png, where α and https://file.scirp.org/image/Edit_3bfe4b8c-5400-4b52-9035-b914ffc3ea93.png are two Riemannian metrics, β and https://file.scirp.org/image/Edit_b10fe3f7-056f-4bf9-a4c5-9efad5c08b52.png are 1-forms. Further, we study such projective change when generalized (α, β) -metric F has some curvature property.

**Keywords:**

[Finsler Space with (α](https://www.scirp.org/journal/articles.aspx?searchCode=Finsler+Space+with+(%ce%b1&searchField=keyword&page=1&SKID=0), [β) -Metric](https://www.scirp.org/journal/articles.aspx?searchCode=+%ce%b2)+-Metric&searchField=keyword&page=1&SKID=0), [Projective Change](https://www.scirp.org/journal/articles.aspx?searchCode=+Projective+Change&searchField=keyword&page=1&SKID=0), [Locally Projectively Flat](https://www.scirp.org/journal/articles.aspx?searchCode=+Locally+Projectively+Flat&searchField=keyword&page=1&SKID=0), [Randers Metric](https://www.scirp.org/journal/articles.aspx?searchCode=+Randers+Metric&searchField=keyword&page=1&SKID=0)

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