

عنوان مقاله:

Nonholonomic frames for Finsler space with deformed infinite series of (α, β) metric

محل انتشار:

مجله ابرساختارها، دوره 11، شماره 1 (سال: 1401)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

The purpose of present paper to determine the Finsler spaces due to deformation of special Finsler (α, β) - metric. Consequently, we obtained the non-holonomic frame with the help of $\alpha^2 = a_{ij}(x)y^i y^j$, one form metric $\beta = b_i(x)y^i$ and infinite series of (α, β) metric such as the forms I. $\frac{\beta^4}{(\beta - \alpha)^2} + \alpha^2 = F_1^2 + F_2^2$ i.e. sum of the square of infinite series of (α, β) -metric and square of Riemannian metric II. $\frac{\beta^4}{(\beta - \alpha)^2} + \beta^2 = F_1^2 + F_3^2$ i.e. sum of the square of infinite series of (α, β) -metric and square of 1-form metric

کلمات کلیدی:

Riemannian metric, One form metric, Infinite series of (α, β) -metric, Nonholonomic Finsler frame

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