

Study on U^h - Birecurrent Finsler Space

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Abstract: In this paper, we introduce a Finsler space which the curvature tensor U^i_{jkh} satisfies the birecurrence property in sense of Cartan. We obtain the necessary and sufficient condition for some tensors to be birecurrent. The relationship between the curvature tensor U^i_{jkh} and Douglas tensor D^i_{jkh} have been studied. Also, some results in a projection on indicatrix with respect to Cartan connection have been discussed.

Keywords: U^h – birecurrent space, Projection on indicatrix

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