

Title: Finsleroid–Finsler space of involutive case and A-special relation

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The involutive case means the framework in which the characteristic scalar g(x) may vary in the direction assigned by the input 1-form b, such that $dg = \mu b$ with a scalar $\mu(x)$. Required calculation shows that in the Finsleroid–Finsler space the involutive case realizes through the A-special relation the picture that instead of the Landsberg condition $\dot{A}_{ijk} = 0$ we have the vanishing $\dot{\alpha}_{ijk} = 0$ with the normalized tensor $\alpha_{ijk} = A_{ijk}/||A||$. Success is predetermined by a reached possibility to write down the associated spray coefficients in the transparent form that accounts for the dependence g = g(x). Interesting particular properties of the associated hv-curvature tensor come to play.

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