

عنوان مقاله:

Shen's L-Process on the Chern Connection

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خلاصه مقاله:

The notion of Shen's process was introduced by Tayebi-Najafi in order to construct the Shen connection from the Berwald connection. In this paper, we study the connection obtained by Shen's L-process on the Chern connection. Let (M, F) be a Finsler manifold. Suppose that D is the linear torsion-free connection obtained by Shen's L-process on Chern's connection. First, we show the existence and uniqueness of D . Then, we prove that their $h\nu$ -curvature coincides if and only if F is a Riemannian metric

کلمات کلیدی:

Chern connection, Shen connection, Shen's C and L-Processes

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