

**MR1978798 (2004d:70025)** [70H40](#) [70G45](#) [70H30](#) [83A05](#)

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**Autoparallel variational description of the free relativistic top third order dynamics. (English summary)**

*Differential geometry and its applications (Opava, 2001)*, 447–459, *Math. Publ.*, 3, Silesian Univ. Opava, Opava, 2001.

Summary: “A second order variational description of the autoparallel curves of a certain differential-geometric connection for the third order Mathisson ‘new mechanics’ of a relativistic free spinning particle is suggested starting from general requirements of invariance and ‘variationality’.”

{For the entire collection see [MR1978755 \(2004a:53002\)](#)}

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