

Metrizable systems of autonomous second order differential equations

M. CRASMAREANU

ABSTRACT.

Well-known notions from tangent bundle geometry, namely nonlinear connections and semisprays, are extended to bundle-type tangent manifolds. As main subject, the metrizability of both semisprays and nonlinear connections is investigated through Obata operators.

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UNIVERSITY "AL. I. CUZA"
DEPARTMENT OF MATHEMATICS
700506, IAȘI, ROMANIA
[HTTP://WWW.MATH.UAIC.RO/~MCRASM](http://WWW.MATH.UAIC.RO/~MCRASM)
E-mail address: mcrasm@uaic.ro

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