

Classes of Bianchi equations of third order

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Abstract

On the basis of determining equations written out in terms of Laplace invariants, some classes of Bianchi equations of third order similar to well-known classes of hyperbolic equations with two independent variables are singled out. © 2013 Pleiades Publishing, Ltd.

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Keywords

Bianchi equation of third order, Euler-Poisson equation, hyperbolic equation, Laplace invariant, Lie algebra, Liouville equation