

Mathematical Notes 2016 vol.99 N1-2, pages 110-115

---

# On Laplace invariants for equations with dominating third-order partial derivative and two independent variables

Mironov A., Mironova L.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

## Abstract

© 2016, Pleiades Publishing, Ltd. Laplace invariants are constructed and the constitutive equations are written in terms of them. Classes of equations which admit four-dimensional Lie algebras are distinguished.

<http://dx.doi.org/10.1134/S0001434616010119>

---

## Keywords

constitutive equations, Laplace invariant, Lie algebra