Lychagin, Valentin; Yumaguzhin, Valeriy
Natural differential invariants and equivalence of nonlinear second order differential operators. (English) J. Geom. Phys. 178, Article ID 104549, 8 p. (2022)

Summary: We give a description of the field of rational natural differential invariants for a class of nonlinear differential operators of the second order and show their application to the equivalence problem of such operators.

MSC:
- 47F05 General theory of partial differential operators
- 53C05 Connections (general theory)
- 35G05 Linear higher-order PDEs
- 53A55 Differential invariants (local theory), geometric objects

Keywords:
- 2nd order linear partial differential operator; jet bundle; differential invariant; equivalence problem

Full Text: DOI

References:

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