

GENERALIZED CASIMIR OPERATORS OF SOLVABLE LIE ALGEBRAS

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The purely algebraic algorithm for computation of invariants (generalized Casimir operators) of Lie algebras by means of moving frames is presented. Results on the application of the method to computation of invariants of low-dimensional Lie algebras and series of solvable Lie algebras are reviewed.

Talk is based on the joint works with Jiri Patera and Roman Popovych [1–6].

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3. Boyko V.M., Patera J. and Popovych R.O., Invariants of triangular Lie algebras, *J. Phys. A: Math. Theor.* **40** (2007), 7557–7572; arXiv:0704.0937.
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