

Remarks on Local Lie algebras of pairs of functions

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An almost-cosymplectic-contact structure of an $(2n + 1)$ -dimensional manifold is given by a pair (ω, Ω) of a 1-form ω and a 2-form Ω such that $\omega \wedge \Omega^n \neq 0$ and $d\Omega = 0$, see [1]. We study local Lie algebras of pairs of functions which generate infinitesimal symmetries of the pair (ω, Ω) .

References

- [1] Janyška J., Modugno M. Generalized geometrical structures of odd dimensional manifolds *J. Math. Pures Appl.*, (9) **91**, 211–232, 2009.