

**JORDAN D-BIALGEBRAS AND SYMPLECTIC
FORMS ON JORDAN ALGEBRAS***V. N. Zhelyabin*

It is shown that a symplectic structure determined on a Jordan algebra induces a symplectic structure on the adjoint Lie KKT-algebra. It is proven that Jordan bialgebras of some type defined on semisimple finite-dimensional Jordan algebras are triangular Jordan bialgebras.

Key words and phrases: Jordan bialgebra, Lie bialgebra, triangular bialgebra, Yang–Baxter equation, Kantor–Köcher–Tits construction.

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