## GENERALIZED CLEBSH AND NEUMAN INTEGRABLE SYSTEMS FROM THE SPECIAL QUASIGRADED LIE ALGEBRAS ON HIGHER GENUS CURVES

## T. Skrypnyk

Bogolyubov Institute for Theoretical Physics, Nat. Acad. Sci. of Ukraine (14b, Metrolohichna Str., 03143 Kyiv, Ukraine)

In the present paper, we construct special quasigraded so(n)-valued Lie algebras on higher genus algebraic curves. Using them, we find a new Lie theoretical interpretation and new Lax type representations with spectral parameter for the generalized Clebsh and Neuman systems.