Euler equations related to the (generalized) Neveu-Schwarz algebra

Dafeng Zuo

School of Mathematical Science, University of Science and Technology of China, Hefei 230026, PR China email: dfzuo@ustc.edu.cn

Abstract:

In this talk, we report some results about Euler equations related to the (generalized) Neveu-Schwarz algebra, including supersymmetric Euler equations and bisuperhamiltonian Euler equations.

References:

- 1. V. Yu.Ovsienko and B. Khesin, Funct.Anal.Appl., 21 (1987) 329-331.
- 2. C. Devchand and J. Schiff, J. Math. Phys., 1(2001)260-273.
- 3. P. Guha and P.J. Olver, SIGMA, 2 (2006) Paper 054, 9 pp.
- 4. J. Lenells, Lett. Math. Phys., 85 (2008)55-63.
- 5. D. Zuo, Euler equations related to the generalized Neveu-Schwarz algebra, submitted (2012).