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## Schroedinger Sigma Models and Jordanian Twists

Wednesday 28 August 2013 16:00 (1 hour)

We consider the classical integrable structure of two-dimensional non-linear sigma models defined on 3D Schrodinger spacetime (called the Schrodinger sigma models). The global symmetry is  $SL(2)_L \times U(1)_R$ . The  $SL(2)_L$  symmetry is enhanced to the Yangian Y(sl(2)). We show that the U(1)\_R symmetry is enhanced to a Jordanian twisted Yangian. Finally I will discuss the Landau-Lifshitz limit if I have time.

Presenter: Dr YOSHIDA, Kentaroh (Kyoto University)