Mercoledì 3 Giugno 2015

Aula 38 Polo Scientifico

Ore 15:00

Dipartimento di Fisica ed Astronomia

Via Sansone 1 Sesto Fiorentino

Spin chains and the Grassmannian, with generalizations

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Integrable quantum spin chains are very classical and much studied objects of mathematical physics. Among their many appearances, I will review the relation between them and the geometry of the Grassmann variety (or more precisely, the sigma model with that target) due to Nekrasov and Shatashvili. This story admits far reaching generalizations that I will try to describe.