

Integrable coupled sigma-models from affine Gaudin models

Wednesday, September 4, 2019 11:30 AM (30 minutes)

In this talk, we will discuss realisations of affine Gaudin models and their application to integrable sigma-models. After reviewing the properties of affine Gaudin models and their relation with integrable sigma-models (see also B. Vicedo's talk), we will explain a systematic procedure allowing to assemble two affine Gaudin models into a unique one. As an application of this formalism, we will present an integrable coupled sigma-model obtained by assembling together N copies of the Principal Chiral Model with Wess-Zumino term.

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