



Contribution ID: 104

Type: **not specified**

Local β -deformations and Yang-Baxter sigma model

Thursday 24 May 2018 16:35 (25 minutes)

Homogeneous Yang-Baxter (YB) deformation of $\text{AdS}_5 \times S^5$ superstring is revisited.

In this talk, I explain that homogeneous YB deformations are equivalent to β -deformations of the $\text{AdS}_5 \times S^5$ background when the classical r -matrices consist of bosonic generators.

If time permitted, I also discuss β -deformations of the $\text{AdS}_3 \times S^3 \times T^4$ with H -flux and provide various solutions of (generalized) type II supergravity.

This talk is based on arXiv:1803.05903.

Author: SAKAMOTO, Junichi (Kyoto university)

Presenter: SAKAMOTO, Junichi (Kyoto university)