

# Affine Super Yangian

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## Abstract

In this seminar, I will explain how to define the affine super Yangian  $Y_{\varepsilon_1, \varepsilon_2}(\widehat{\mathfrak{sl}}(m|n))$  and construct its coproduct. I will also show that there exists an evaluation map, that is, an algebra homomorphism from  $Y_{\varepsilon_1, \varepsilon_2}(\widehat{\mathfrak{sl}}(m|n))$  to the completion of the universal enveloping algebra of  $\widehat{\mathfrak{gl}}(m|n)$ .