

Free Boson Representation of $DY_{\hbar}(\widehat{\mathfrak{sl}}(M+1|N+1))$ at Level One

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Abstract: We construct a realization of the central extension of super-Yangian double $DY_{\hbar}(\widehat{\mathfrak{sl}}(M+1|N+1))$ at level one in terms of free boson fields with a continuous parameter.

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Key words: super-Yangian double, free boson

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