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Kang Lu* (kang.lu@du.edu) and **Evgeny Mukhin** (emukhin@iupui.edu). *Skew representations of super Yangian.*

We discuss some known results about skew representations (corresponding to skew Young diagrams) of super Yangian $Y(\mathfrak{gl}_{m|n})$ — the Yangian associated to the general Lie superalgebra $\mathfrak{gl}_{m|n}$, such as Jacobi-Trudi identity, Drinfeld functor, extended T-systems, irreducibility conditions. We also talk about some open problems related to representations of super Yangian. Some essential differences comparing to the even case will be discussed as well. (Received January 18, 2021)