Decomposition laws of tensor products in the \( \text{Gl}(m \mid n) \)-case

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The Littlewood—Richardson Rule describes the decomposition of a tensor product between irreducible representations of the group \( \text{Gl}(n) \) respectively the Lie algebra \( \text{gl}(n) \). Such a rule is missing in the “super”-case. The tensor product decomposition between two indecomposable representations of the Supergroup \( \text{Gl}(m \mid n) \) is not understood at all. I will report on some progress about this question.

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