Indecomposable summands in tensor products

Abstract:

I will report on some progress to understand indecomposable summands in tensor products of irreducible representations of $gl(m|n)$. I will focus on the $gl(m|2)$ -case ($m>1$) which exhibits many features of the general case. The crucial tool is the Duflo-Serganova functor and some of its variants.