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Koszul duality phenomenon in the p-adic local Langlands

In the 90s, David Vogan showed that the local Langlands correspondence for a connected, reductive, p-adic group G can be reformulated as a bijection between the irreducible representations of G, and its pure inner forms, and the simple objects of a category of equivariant perverse sheaves on a moduli space of Langlands parameters. In the case of generalised Steinberg representations for semisimple G, we show that this correspondence can be interpreted through the language of Koszul duality, and that a number of the categorical aspects of either side of the correspondence are reflected through this duality.