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Regular Bernstein blocks

Let G be a connected reductive group over a nonarchimedean local field F. The Bernstein decomposition expresses the category of smooth, complex representations of $G(F)$ as a product of full subcategories, called Bernstein blocks, containing representations that all have the same depth. One hopes that, in some generality, a positive-depth Bernstein block for $G(F)$ will be equivalent to a depth-zero Bernstein block for $G^0(F)$, where G^0 is some twisted Levi F-subgroup of G. I will outline some cases where the hope is realized. This is joint work with Manish Mishra.