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The Status and Consequences of the p-adic Kazhdan-Lusztig Hypothesis

In recent history, the Langlands program has undergone a process of "geometrization" in a variety of different ways. In this talk, we will focus on a version which relates a category $\mathrm{Rep}_\lambda(G)$ of smooth representations the F-points $G(F)$ of a reductive group, to (a full sub-category of) the category $\mathrm{Per}(V_\lambda)$ of perverse sheaves on a kind of moduli space of Langlands parameters. In particular, we will articulate both the status, and recent consequences of the p-adic Kazhdan-Lusztig hypothesis.