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Cohomological compact restriction functors

Recently, Hadi Salmasian and I found cohomological analogues of the compact restriction functors taking depth-zero representations to representations of the reductive quotients of parahoric subgroups. Our functors take equivariant perverse sheaves on $G_{\mathbb{Q}_p}$ to sheaf complexes on the reductive quotients of the special fibres of Bruhat–Tits schemes. In this talk I will present these functors and explain their significance in the study of admissible representations.