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*Some applications of Bruhat-Tits theory to harmonic analysis*

Beginning with the fundamental work of Allen Moy and Gopal Prasad, the elegant structure theory of Bruhat and Tits has played an increasingly important role in both the representation theory and harmonic analysis of reductive  $p$ -adic groups. In this talk, we shall review some of the basic results in the latter category and discuss work that is currently in progress.