

**A SIMPLE AND CONSISTENT DEFINITION OF
HOMOGENEOUS BESOV SPACES ON
STRATIFIED LIE GROUPS**

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Stratified Lie groups are noncommutative Lie groups whose harmonic analysis still shares strong similarities with the Euclidean spaces. The simplest example of a noncommutative stratified Lie group is the Heisenberg group. In this talk I will discuss the construction of homogeneous Besov spaces via Littlewood-Paley decompositions on stratified groups. The exposition will emphasize the similarities with Euclidean cases.