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Restrictions des séries discrètes de certains groupes résolubles

The study of restrictions of unitary irreducible representations of a Lie group G to its closed subgroups was successfully made by Corwin-Greenleaf for the nilpotent case, Lipsman for the completely solvable case and Fujiwara for the exponential case. However, even if the orbit method describes a large set of representations in \widehat{G} , the study of these restrictions remains a very difficult problem in the general case. In this work, we study the restriction of square integrable representations modulo the center of a solvable connected group, semi-direct product of a torus by a Heisenberg group to its algebraic connected subgroups.

Keywords: Discrete series, representations, restriction, multiplicities.

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