

Branching laws for Discrete Series via Homogeneous differential operators

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A square integrable representation P of a semisimple Lie group G is realized as the L^2 -kernel of convenient elliptic homogeneous differential operators on the symmetric space attached to G . Fix H a reductive subgroup of G , in this talk we present some results on the branching laws of P when restricted to H , by means of a Cauchy problem associated to the problem.