

DISCRETELY DECOMPOSABLE RESTRICTIONS OF (G, K) -MODULES FOR KLEIN FOUR SYMMETRIC PAIRS

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Abstract: Let G be noncompact real simple Lie group, and Γ a Klein four subgroup in the automorphism group of G . Then (G, G^Γ) forms a Klein four symmetric pair. In this talk, I shall discuss the branching problem for Klein four symmetric pairs in the algebraic setting; that is, the discrete decomposability of the restrictions of infinite-dimensional (\mathfrak{g}, K) -modules.