



Mathematics > K-Theory and Homology

Character formulæ and GKRS multiplets in equivariant K-theory

Gregory D. Landweber, Reyer Sjamaar

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Let G be a compact Lie group, H a closed subgroup of maximal rank and X a topological G -space. We obtain a variety of results concerning the structure of the H -equivariant K-ring $K_H^*(X)$ viewed as a module over the G -equivariant K-ring $K_G^*(X)$. One result is that the module has a nonsingular bilinear pairing; another is that the module contains multiplets which are analogous to the Gross-Kostant-Ramond-Sternberg multiplets of representation theory.

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