Centro de Matemática e Aplicações

Seminário

Graded simple algebras and the loop algebra construction

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Resumo

The loop algebra construction by Allison, Berman, Faulkner, and Pianzola, describes graded-central-simple algebras with split centroid in terms of central simple algebras graded by a quotient of the original grading group. In this talk, the loop algebra construction will be reexamined, and the restriction on the centroid will be removed, at the expense of allowing some deformations (cocycle twists) of the loop algebras.

20/7/2018-11h30- sala 6.18

FCT
Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA