CENTRE
DE RECHERCHES
MATHÉMATIQUES

Algèbres non commutatives, théorie des représentations et fonctions spéciales
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Non-commutative algebras, representation theory and special functions
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On Elliptic Lie Algebras

An elliptic root system is a ``root system'' defined as a subset of a real vector space F with a symmetric bilinear form I of signature $(l,2,0)$, and its marking is a one dimensional subspace G of its radical$\mathrm{rad}(I)$. After recalling the classification of the pair (R,G) of an elliptic root system R with marking G, I will explain how one obtains a Lie algebra associated with the pair (R,G).