

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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Heun operators and nonlinear algebras

Algebraic Heun operator is a generalization of the ordinary Heun operator. It can be associated to any entry of the Askey scheme.

We demonstrate relations of these Heun operators with nonlinear algebras including degenerate Sklyanin algebras.