

Algebras – Non-Associative

Computational Methods

17-04

- [1] Serena Cicalò and Willem A. de Graaf. Non-associative Gröbner bases, finitely-presented Lie rings and the Engel condition: II. *J. Symbolic Comput.*, To appear, 15 pages, 2009.
- [2] W. A. de Graaf. Using Cartan subalgebras to calculate nilradicals and Levi subalgebras of Lie algebras. *J. Pure Appl. Algebra*, 139(1–3):25–39, 1999.
- [3] Willem A. de Graaf. Deciding isomorphism of Lie algebras. In *Proceedings of the Sixth Rhine Workshop on Computer Algebra, Sankt Augustin, March 31 - April 3, 1998*, page 9. 1998.
- [4] Willem A. de Graaf. *Lie Algebras: Theory and Algorithms*, volume 56 of *North-Holland Mathematical Library*. North-Holland Publishing Co., Amsterdam, 2000.
- [5] Lothar Gerritzen. Tree polynomials and non-associative Gröbner bases. *J. Symbolic Comput.*, 41(3-4):297–316, 2006.
- [6] Roberto La Scala and Viktor Levandovskyy. Letterplace ideals and non-commutative Gröbner bases. *J. Symbolic Comp.*, 44(10):1374–1393, 2009.