

The Kurosh Problem for Jordan Nil Systems over Arbitrary Rings of Scalars

Teresa Cortés¹

We show that quadratic Jordan nil algebras of bounded degree, and, more generally, quadratic Jordan nil algebras satisfying a polynomial identity, are locally nilpotent. We also extend these results to Jordan pairs and triple systems.

The results are included in a paper with the same title [1], jointly written by José A. Anquela, Efim Zelmanov, and the author of this poster, that has appeared recently in *Journal of Algebra*.

References

- [1] J. A. ANQUELA, T. CORTÉS, E. ZELMANOV, The Kurosh Problem for Jordan Nil Systems over Arbitrary Rings of Scalars, *J. Algebra* **444** (2015), 313–327.

¹Department of Mathematics, University of Oviedo, C/ Calvo Sotelo s/n, E-33007 Oviedo (Spain)
cortes@orion.ciencias.uniovi.es