

NIL-CLEAN RINGS: A SURVEY

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ABSTRACT. A ring is called nil-clean if each of its elements is a sum of an idempotent and a nilpotent element. This concept was introduced by A.J. Diesl in 2013 as an interesting variant of clean rings due to Nicholson. This talk is a survey of research on nil-clean rings.

References

- [1] A. J. DIESL: *Nil clean rings*, J. Algebra **383** (2013) 197-211.
- [2] W.K. NICHOLSON: *Lifting idempotents and exchange rings*, Trans. Amer. Math. Soc. **229** (1977) 269-278.