

Berthomieu, Jérémy; Lebreton, Romain**Relaxed p -adic Hensel lifting for algebraic systems.** (English) [Zbl 1308.68158](#)

van der Hoeven, Joris (ed.) et al., Proceedings of the 37th international symposium on symbolic and algebraic computation, ISSAC 2012, Grenoble, France, July 22–25, 2012. New York, NY: Association for Computing Machinery (ACM) (ISBN 978-1-4503-1269-1). 59-66 (2012).

MSC:[68W30](#) Symbolic computation and algebraic computation[11S85](#) Other nonanalytic theory[11Y16](#) Number-theoretic algorithms; complexity[12E05](#) Polynomials in general fields (irreducibility, etc.)[Cited in 4 Documents](#)**Keywords:**

[algebraic system resolution](#); [complexity](#); [integer linear systems](#); [lazy \$p\$ -adic numbers](#); [power series](#); [relaxed algorithms](#)

Software:

[Mathmagix](#); [IML - Integer Matrix Library](#); [LinBox](#); [gmp](#)

Full Text: [DOI](#)