

**Faugère, Jean-Charles; Mou, Chenqi**

**Fast algorithm for change of ordering of zero-dimensional Gröbner bases with sparse multiplication matrices.** (English) [Zbl 1323.68596](#)

Leykin, Anton (ed.), Proceedings of the 36th international symposium on symbolic and algebraic computation, ISSAC 2011, San Jose, CA, USA, June 7–11, 2011. New York, NY: Association for Computing Machinery (ACM) (ISBN 978-1-4503-0675-1). 115-122 (2011).

**MSC:**

[68W30](#) Symbolic computation and algebraic computation

[13P10](#) Gröbner bases; other bases for ideals and modules (e.g., Janet and border bases)

Cited in **10** Documents

**Keywords:**

Gröbner bases; BMS algorithm; change of ordering; FGLM algorithm; sparse matrix; Wiedemann algorithm; zero-dimensional ideals

**Software:**

Magma; SINGULAR; FGb

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