

ADDENDUM TO
“FACTORING POLYNOMIALS OVER FINITE FIELDS
WITH DRINFELD MODULES”

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After my paper [2] was electronically published by Mathematics of Computation, I came across the PhD thesis of professor I. Y. Potemine [6].

In Section 4.3 of his thesis, an algorithm for factoring polynomials is proposed which is equivalent to the algorithm discussed in my paper. Potemine’s algorithm is acknowledged in my PhD thesis [1].

Our algorithms were found independently, both as analogues of H. W. Lenstra’s well-known Elliptic Curve Method for factoring integers; cf. [3].

Professor Potemine informed me that there are two even earlier publications in which his algorithm is described; namely [5] and [4]. Nevertheless, a complexity analysis and a comparison with the well-known Cantor–Zassenhaus algorithm can only be found in [2] and [1].

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