

Acknowledgement of priority

by

UMBERTO ZANNIER (Venezia)

The present remarks concern my paper *On Davenport's bound for the degree of $f^3 - g^2$ and Riemann's Existence Theorem*, published in this journal, 71 (2) (1995), 107–137. I recently discovered the paper *Polynomial identities and Hauptmoduln*, Quart. J. Math. (2) 32 (1981), 349–370, by W. W. Stothers, which actually covers part of my results, using a method of the same nature. In fact my Proposition 2, p. 120, which proves the existence of cases of equality in Davenport's bound, is completely contained in Stothers's results, who actually finds a remarkable exact formula for the number of solutions (Thm. 4.6, p. 362). He also briefly discusses rationality (Thm. 2.4, p. 355), with a method different from mine.

I would also like to avail myself of this opportunity to remark that the genus zero case of the result now well known as the *abc-theorem for function fields* appears, already in 1981, as Theorem 1.1 of the paper by Stothers.

Ist. Univ. Arch. D.S.T.R.
S. Croce, 191
30135 Venezia, Italy
E-mail: zannier@dimi.uniud.it

Received on 3.11.1995

(2889)