Journal de Théorie des Nombres
de Bordeaux **13** (2001), 443–451

S-integral points on elliptic curves - Notes on a paper of B. M. M. de Weger

par EMANUEL HERRMANN * et ATTILA PETHŐ **

RÉSUMÉ. Nous donnons une nouvelle preuve beaucoup plus courte d'un résultat de B. M. M de Weger. Cette preuve est basée sur la théorie des formes linéaires de logarithmes complexes, p-adiques et elliptiques, pour lesquelles nous obtenons une majoration en confrontant les résultats de Hajdu et Herendi à ceux de Rémond et Urfels.

ABSTRACT. In this paper we give a much shorter proof for a result of B.M.M de Weger. For this purpose we use the theory of linear forms in complex and p-adic elliptic logarithms. To obtain an upper bound for these linear forms we compare the results of Hajdu and Herendi and Rémond and Urfels.

Emanuel HERRMANN
FR 6.1 Mathematik
Universität des Saarlandes
Postfach 151150
D-66041 Saarbrücken
Germany
E-mail : herrmann@math.uni-sb.de

Attila PETHŐ
Institute of Mathematics and Informatics
Kossuth Lajos University
H-4010 Debrecen, P.O.Box 12
Hungary
E-mail : pethoe@math.klte.hu

Manuscrit reçu le 3 août 1999.
* This paper was partly written while the author was a Visiting Scholar at the School of Mathematics and Statistics at the University of Sydney. His research was supported in part by grants from the Australian Research Council and the Defense Science and Technology Organization.
** Research partially supported by Hungarian National Foundation for Scientific Research, Grant No. T25157 and T16975.