Since $Y(t) \equiv v(t) \bmod P(t)$ and $(v, P) = 1$ we obtain

$$Y(t) \equiv v(t) \bmod P(t)^n.$$

However by (111)

$$\max\{|Y|, |v|\} \leqslant p < n|P|$$

hence

$$Y(t) = v(t) \notin \mathbf{Z}[t].$$

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Received on 7.4.1978 (1062)

ACTA ARITHMETICA
XXXVIII (1980)

Corrigendum to the paper "Periodic analogues of the Euler-Maclaurin and Poisson summation formulas with applications to number theory", Acta Arith. 28 (1975), pp. 23–68

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There is a misprint in the formulation of Proposition 9.1 on p. 55 The correct formulation is as follows:

Proposition 9.1. *For* $|y| < 2\pi/k$,

$$\frac{y \sum_{n=0}^{k-1} a_n e^{ny}}{e^{ky}-1} = \sum_{j=0}^{\infty} \frac{B_j(A)}{j!} y^j = e^{B(A)y}, \tag{9.2}$$

where the last expression uses the umbral convention according to which after the formal expansion into power series, the expression $\{B(A)\}^j$ *is to be replaced by* $B_j(A)$.

Moreover on p. 29, line 3 replace $1 \leqslant m \leqslant r$ by $2 \leqslant m \leqslant r$ and on p. 30, line 10 replace P by P_j.

Received on 14.7.1980