ERRATUM TO "ON CHARACTER SUMS AND POWER RESIDUES"

BY

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1. In formula (2.2), p. 207, the summation on the right should be $\sum_{1 \le z \le n,\, (z,n)=1}$ (i.e., no n above the summation sign). In the second line from the bottom of p. 207, it should read $\sum_{1 \le z \le n,\, (z,n)>1}$, and at the bottom of p. 208, it should read $\sum_{1 \le k \le n,\, (k,n)=1}$. In formula (3.50), p. 214, the notation should be $\sum_{w \ge 1,\, \mu(w)=1}$, and the same correction is required at the bottom of p. 215.

2. In Lemma 3.1, the notation $\sum_{l,m=1;\, l \ne m}^{h}$ should be $\sum_{\substack{l,m=1 \\ l \ne m}}^{h}$ (i.e., summation over all ordered pairs of integers l, m such that $1 \le l \le h$, $1 \le m \le h$, and $l \ne m$). The same correction should be made at two places in the proof of the lemma.

3. In formula (4.5), p. 216, the bar over the ψ in $\bar{\psi}(g_s)$ should be longer, so that it is clear that the complex conjugate of ψ is meant. The same comment applies in several places on pp. 222–223.

REFERENCE

1. Karl K. Norton, *On character sums and power residues*, Trans. Amer. Math. Soc. 167 (1972), 203–226.

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