CORRIGENDUM: ON VINOGRADOV'S MEAN VALUE THEOREM

TREVOR D. WOOLEY

An oversight by the typesetters has led to the omission of the summation condition on the second summation of the first displayed equation on page 392 of [**1**]. The proof of Lemma 4.1 is consequently very difficult to follow. The expression for $I_p(\boldsymbol{\alpha})$ should read

$$I_p(\boldsymbol{\alpha}) = \sum_{z=1}^{p^k} \left| \sum_{\substack{x \leqslant P \\ x \equiv z \pmod{p^k}}} e(\alpha_1 \Phi_1(x) + \ldots + \alpha_k \Phi_k(x)) \right|^2 .$$

In addition, we take this opportunity to note that on page 391, in the two displayed equations following equation (3.15), the summations involving u_{d+1} should read

$$\sum_{u_{d+1}=1}^{p^{d+1}}$$

Reference

1. T. D. Wooley. On Vinogradov's mean value theorem. *Mathematika*, 39 (1992), 379-399.

Professor T. D. Wooley,
Department of Mathematics,
University of Michigan,
Ann Arbor, MI 48109-1003,
U.S.A.

Received on the 5th of May, 1993.