ERRATA: ON A Θ-WEYL SUM

(Nagoya Math. J. Vol. 52 (1973), 163–172)

YOSHINOBU NAKAI

The formula (2) on p. 166 should be read as

$$X_{k+2} = (\alpha_0 \cdots \alpha_{k+1})^{-1} X_0 + (-1)^{k+1} \alpha_0^{-1} \gamma_0 A_k$$
$$+ (-1)^{k+1} \tfrac{1}{2}(-A_k + B_k) + (-1)^k E_k + \tfrac{1}{2} .$$

As a comment to this, we can also express it as

$$X_{k+2} = (\alpha_0 \cdots \alpha_{k+1})^{-1} X_0 + (-1)^{k+1} \alpha_0^{-1} \gamma_0 A_k + (-1)^k \tfrac{1}{2} E_k .$$

Correspondingly, the condition (2) on p. 171 should be read as

$$|\{\beta_0 A_k\} - \tfrac{1}{2}| \geqq \psi(k)^{-1} \qquad \text{if } A_k + B_k \text{ is even with } k \geqq 0 ,$$
$$\min (\{\beta_0 A_k\}, 1 - \{\beta_0 A_k\}) \geqq \psi(k)^{-1} \qquad \text{if } A_k + B_k \text{ is odd with } k \geqq -1 .$$

In the last sentence of 2°, "Lemma 7" should be read as "Lemma 10".