Dear Editor,

Thank you first for accepting my paper "Nonmodular infinite products and a conjecture of Seo and Yee" (Ref. AiM 210507-Chern).

When I was double-checking the source file of this paper, I found that there are some missing marginal contributions to the residues  $R_1$  &  $R_2$  calculated in Section 4, as I mistakenly evaluated

$$\sum_{1 \le \mu \le k} \cos \frac{2\pi\mu\rho}{k} \qquad (1 \le \rho \le k \& \rho \equiv b \bmod M^*)$$

as 0 when  $\rho = k$  but it should be k in this marginal case. Fortunately, such contributions are very negligible; they are roughly  $\log X$  times a small constant in comparison with the original error term  $X^{1/2} \log X$  for sufficiently large X. So the results in the previous version are NOT affected.

Below are some changes made concerning these marginal contributions.

- Lemma 4.3, a summation formula involving the generalized Stieltjes constant, is added.
- The evaluations of the residues in Section 4 are listed as separate theorems (Theorems 4.4–4.7). I hope this may improve the readability.
- The extra marginal contributions to  $R_1$  are presented in eqs. (4.12) and (4.13).
- The extra marginal contributions to  $R_2$  are presented in eqs. (4.25) and (4.26).
- Remark 2.1 is added for the purpose of carrying out the above evaluations.
- Accordingly, there are some minor changes in the estimations of the error terms in (5.8), (5.11), (5.14) and (5.17). The lower bound  $X \ge 3.4 \times 10^7$  remains valid as the additional contributions are very small ( $\approx 100$  when  $X = 3.4 \times 10^7$ , for instance) and this bound is previously chosen with certain flexibility allowed (the optimal lower bound is around  $3.3 \times 10^7$  so it was chosen slightly larger); I have double-checked related computations.

Could you please kindly pass the revised manuscript along with this letter to the referees, if you find it necessary?

I am truly sorry for the inconvenience.

Best wishes, Shane