## ERRATA FOR "DISTRIBUTION OF LOCAL SIGNS OF MODULAR FORMS AND MURMURATIONS OF FOURIER COEFFICIENTS"

## KIMBALL MARTIN

Here we correct minor mathematical misprints in the published article [Mar25]. This has no effect on the rest of the paper.

Errata:

• The equation just above [Mar25, Prop. 4.3] should read:

$$\aleph = c_1 \left( \eta_{\Delta_0}(q^{\frac{r-1}{2}}) - 2\eta_{\Delta_0}(q^{\frac{r-3}{2}}) + \delta_{r \ge 5} \eta_{\Delta_0}(q^{\frac{r-5}{2}}) \right) h'(\Delta_0) 
= c_1 \left( \sigma(q^{\frac{r-1}{2}}) - 2\sigma(q^{\frac{r-3}{2}}) + \delta_{r \ge 5} \sigma(q^{\frac{r-5}{2}}) \right) h'(\Delta_0).$$

In *loc. cit.*, the factor of 2 in the middle terms on the right mistakenly appears inside the arguments of  $\eta_{\Delta_0}$  and  $\sigma$ . The factor of 2 appears in the correct location in the definition of  $\aleph$  several lines earlier.

Here, q is a prime and  $r \geq 3$  is an odd integer, so in fact this simplifies to

$$\aleph = c_1 \left( q^{\frac{r-1}{2}} - q^{\frac{r-3}{2}} \right) h'(\Delta_0).$$

## References

[Mar25] Kimball Martin, Distribution of local signs of modular forms and murmurations of Fourier coefficients, Mathematika 71 (2025), no. 3, Paper No. e70028.

DEPARTMENT OF MATHEMATICS · INTERNATIONAL RESEARCH AND EDUCATION CENTER, GRADUATE SCHOOL OF SCIENCE, OSAKA METROPOLITAN UNIVERSITY, OSAKA 558-8585, JAPAN *Email address*: kimball@omu.ac.jp

Department of Mathematics, University of Oklahoma, Norman, OK 73019 USA  $\it Email\ address$ : kimball.martin@ou.edu

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