

CORRIGENDUM TO “ON DIVISORS OF MODULAR FORMS”

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Soon-Yi Kang has brought to our attention a mistake in the proof Theorem 1.1, part (3) of [1]. Namely, we mistakenly assert that if $n|N$, the map

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} \mapsto \begin{pmatrix} a & bn \\ \frac{c}{n} & d \end{pmatrix}$$

gives a bijection between $\Gamma_\infty \setminus \Gamma_0(N)$ and $\Gamma_\infty \setminus \Gamma_0(\frac{N}{n})$.

This error impacts part (3) of Theorem 1.1 and part (3) of Theorem 1.2. The corrected statements (3) of Theorems 1.1 and 1.2 should read:

Theorem (Theorem 1.1, part (3)). *For any prime p such that $p^2|N$, we have*

$$j_{N,p}(\tau) = j_{\frac{N}{p},1}(p\tau).$$

Theorem (Theorem 1.2, part (3)). *For any prime p such that $p^2|N$, we have*

$$j_{N,p}(\rho) = \lim_{\tau \rightarrow \rho} j_{\frac{N}{p},1}(p\tau).$$

Jeon, Kang, and Kim obtained the complete version of these claims in Proposition 1.2 of their forthcoming paper [2].

REFERENCES

- [1] K. Bringmann, B. Kane, S. L  brich, K. Ono, and L. Rol  n *On divisors of modular forms*, Adv. Math. **329** (2018), 541–554.
- [2] D. Jeon, S.-Y. Kang, and C. Kim, *Hecke system of harmonic Maass functions and its applications to genus 1 modular curves*, preprint.

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