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Corrigendum

Corrigendum to “Restricting Hecke–Siegel operators to Jacobi modular forms” [J. Number Theory 129 (7) (2009) 1709–1733]

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In Proposition 3.1, the conditions given on $\Omega\oplus\Delta$ mean that in addition to $\Omega\oplus\Delta$ varying so that $p\Lambda\oplus\Delta\subseteq\Omega\oplus\Delta\subseteq\frac{1}{p}(\Lambda\oplus\Delta)$, we must also have some Λ' so that $\Lambda'\oplus\Delta=\Lambda\oplus\Delta$ and $p\Lambda'\subseteq\Omega\subseteq\frac{1}{p}\Lambda'$. These conditions apply to $\Omega\oplus\Delta$ in Theorem 3.2 as well. Similarly, in Proposition 4.1 and Theorem 4.3, $\Omega\oplus\Delta$ varies subject to $p\Lambda\oplus\Delta\subseteq\Omega\oplus\Delta\subseteq\frac{1}{p}(\Lambda\oplus\Delta')$ so that for some Λ' with $\Lambda'\oplus\Delta'=\Lambda\oplus\Delta'$, we have $p\Lambda'\subseteq\Omega\subseteq\frac{1}{p}\Lambda'$; in Proposition 4.2 and Theorem 4.3, $\Omega\oplus\Delta$ varies subject to $\Lambda\oplus\Delta\subseteq\Omega\oplus\Delta\subseteq\frac{1}{p}(\Lambda\oplus\Delta)$ so that for some Λ' with $\Lambda'\oplus\Delta=\Lambda\oplus\Delta$, we have $\Lambda'\subseteq\Omega\subseteq\frac{1}{p}\Lambda'$.

For Corollary 3.3, $\widetilde{T}_j(p^2)$ should be defined as

$$\widetilde{T}_j\big(p^2\big)=p^{j(k-n-1)}\sum_{0\leqslant\ell\leqslant j}\chi\big(p^{j-\ell}\big)p^{m(j-\ell)}\beta(n-m-\ell,j-\ell)T_\ell\big(p^2\big).$$

(This reflects the fact that with V, V' vector spaces over $\mathbb{Z}/p\mathbb{Z}$, $\dim V=n-m-r$, $\dim V'=m$, and U a dimension $\ell-r$ subspace of $V\oplus V'$ that is independent of V', the number of ways to extend U to a dimension $j-r$ subspace of $V\oplus V'$ that is independent of V' is $p^{m(j-\ell)}\beta(n-m-\ell,j-\ell)$.)

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