CORRECTION TO "SIGNATURES OF INVARIANT HERMITIAN FORMS ON IRREDUCIBLE HIGHEST WEIGHT MODULES," DUKE MATH. J. 142 (2008), 165–196

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This correction acknowledges errors that arose in [1].

- Corollary 4.1.2 should use the conditions of Proposition 4.1.1:
  (a) $P^{\lambda,w}_{w_\lambda x,w_\lambda y} = \operatorname{sgn}(-w\rho, x\alpha)\varepsilon(H_{x\alpha,-(\lambda,\alpha^\vee)}, xs)P^{\lambda,w}_{w_\lambda xs,w_\lambda y}$ if $ys > y$ and $xs > x \geq y$; and
  (b) $P^{\lambda,w}_{w_\lambda x,w_\lambda y} = \operatorname{sgn}(-w\rho,\alpha)\varepsilon(H_{\alpha,(sx\lambda,\alpha^\vee)}, sx)P^{\lambda,w}_{w_\lambda sx,w_\lambda y}$ if $sy > y$ and $sx > x \geq y$.
- Proposition 4.6.6 and the formula preceding it use incorrect notation. The preceding formula should read:

$$\begin{aligned} &ch_s U_\alpha \overline{M(z\lambda+\delta t)_0} \\ &\quad = \operatorname{sgn}(\bar{c}''_{zs}\bar{c}'_z)ch_s L(zs\lambda) \\ &\qquad + \operatorname{sgn}\big(\bar{c}''_z(\delta, z\alpha^\vee)\bar{c}'_z\big) \sum_{y\in W_\lambda | y>ys} a^{\lambda,w}_{w_\lambda z,w_\lambda y,1} ch_s L(y\lambda). \end{aligned}$$

  Similarly, Proposition 4.6.6 should state that

$$\begin{aligned} &\operatorname{sgn}(\bar{c}''_{xs}\bar{c}'_x)P^{\lambda,w}_{w_\lambda xs,w_\lambda y}(q) + \operatorname{sgn}\big(\bar{c}''_x(\delta, x\alpha^\vee)\bar{c}'_x\big)qP^{\lambda,w}_{w_\lambda x,w_\lambda y}(q) \\ &\quad = \sum_{z\in W_\lambda | z<zs} \operatorname{sgn}\big(\bar{c}''_z(\delta, z\alpha^\vee)\bar{c}'_z\big)a^{\lambda,w}_{w_\lambda z,w_\lambda y,1} q^{\frac{\ell(x)-\ell(y)+1}{2}} P^{\lambda,w}_{w_\lambda x,w_\lambda z}(q) \\ &\qquad + \operatorname{sgn}(\bar{c}''_y\bar{c}'_{ys})P^{\lambda,w}_{w_\lambda x,w_\lambda ys}(q). \end{aligned}$$

- The condition $x > ys$ in Theorem 4.6.10(b) should actually be $x \geq ys$.

Reference

[1] W. L. YEE, *Signatures of invariant Hermitian forms on irreducible highest weight modules*, Duke Math. J. **142** (2008), 165–196. MR 2397886. *(2159)*

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