Erratum

The boundary of the Eisenstein symbol

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A sign confusion crept into the calculations leading to Proposition 3.2 of the above article: the normalisation of $p_0, \dots, p_n$ used in Sect. 1 to define the Eisenstein symbol does not lead to the usual Steinberg symbol in the case of K_2 . Thus the first displayed formula following 3.1 (p. 311) should read

$$\partial\left(\sum_j \{[-1]^* f_j, f'_j\}\right) = \frac{2}{N^3} \sum_{1 \neq \zeta \in \mu_N} [\times N]^* \left[\frac{\zeta}{(\zeta-1)^2} \Phi_0^1 + \frac{\zeta}{(\zeta-1)^3} \Phi_1^1 \right] \sum_j d_f(\zeta) d'_f(\zeta).$$

This has the effect of replacing the term $d'_f(v-\mu)$ in the formula of Proposition 3.2 by $d'_f(v+\mu)$. The correct statement of 3.2 is therefore:

3.2 Proposition. *For functions f_j, f'_j satisfying hypothesis 3.1 one has:*

$$\partial\left(\sum_j \{f_j, f'_j\}\right) = \pm \frac{1}{3N} \sum_{\mu, v \in \mathbb{Z}/N\mathbb{Z}} \sum_j d_f(\mu) d'_f(v+\mu) \mathbf{B}_3\left(\left\langle \frac{v}{N} \right\rangle\right) \cdot \Phi_1^1.$$

Further results are not affected.