ERRATA: *ALGEBRAIC CURVES UNIFORMIZED BY CONGRUENCE SUBGROUPS OF TRIANGLE GROUPS*

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This note gives some errata for the article *Algebraic curves uniformized by congruence subgroups of triangle groups* [1]. Thanks to Michael Schein.

(1) Remark 5.24: sign errors crept into the second generator. The correct orthogonal elements for B are

$$1, 2\delta_a - \lambda_{2a}, (\lambda_{2a}^2 - 4)\delta_b + (\lambda_{2a}\lambda_{2b} + 2\lambda_{2c})\delta_a - (\lambda_{2a}^2\lambda_{2b} + \lambda_{2a}\lambda_{2c} - 2\lambda_{2b}),$$

not

$$1, 2\delta_a - \lambda_{2a}, (\lambda_{2a}^2 - 4)\delta_b + (\lambda_{2a}\lambda_{2b} + 2\lambda_{2c})\delta_a - (\lambda_{2a}^2\lambda_{2b} - \lambda_{2a}\lambda_{2c} + 2\lambda_{2b}).$$

In the corrected basis, we obtain the presentation:

$$B \simeq \left(\frac{\lambda_{2a}^2 - 4, -(\lambda_{2a}^2 - 4)\beta}{F}\right) \simeq \left(\frac{\lambda_{2a}^2 - 4, \beta}{F}\right)$$

when $a \neq \infty$.

References

[1] Pete L. Clark and John Voight, *Algebraic curves uniformized by congruence subgroups of triangle groups*, Trans. Amer. Math. Soc. **371** (2019), no. 1, 33–82.

Date: July 12, 2020.