



Correction

Correction to: An Algorithm for the Computation of Eigenvalues, Spectral Zeta Functions and Zeta-Determinants on Hyperbolic Surfaces

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The example in section 7.3 page 854 titled “The surface with symmetry group $\mathbb{Z}_5 \times \mathbb{Z}_2$ ” was given incorrect Fenchel–Nielsen coordinates. The correct coordinates are

$$(\ell_1, t_1; \ell_2, t_2; \ell_3, t_3) \\ = \left(2 \operatorname{arccosh} \frac{3 + \sqrt{5}}{2}, 0; 2 \operatorname{arccosh} \frac{2 + \sqrt{5}}{2}, \frac{1}{2}; 2 \operatorname{arccosh} \frac{9 + 3\sqrt{5}}{4}, \frac{1}{2} \right).$$

This affected the numerical computations and the data file for this example. The correct value for the spectral determinant is given by

$$\det_\zeta(\Delta) \approx 4.630575, \\ \zeta_\Delta(-1/2) \approx -0.656986$$

instead of the values claimed in the article. The link to the data files published in the original article is not operational any more. Therefore, the new corrected data files for the computed eigenvalues, as well as the original data files for the other computed surfaces, are attached to this Erratum as “Electronic Supplementary Material”.

Electronic Supplementary Material The online version of this article (<https://doi.org/10.1007/s00220-018-3094-z>) contains supplementary material, which is available to authorized users.

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The original article can be found online at <https://doi.org/10.1007/s00220-012-1557-1>.