Errata

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On the problem of isometry of a hypersurface preserving mean curvature

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Reference to equations in Theorem 1 (Fundamental theorem) should be eqs (5.1), (5.2), (5.3) and (5.4) instead of eqs (4.21), (4.22), (4.23) and (4.24).

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The planar algebra associated to a Kac algebra

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Definition 4.9(c) is incorrect; it should be changed so as to read:

(c) The action α is called *outer* if $M' \cap (M \rtimes_{\alpha} H) = \mathcal{C}$.

And part (f) of Proposition 4.10 should hence be omitted.

Fortunately, this oversight has no unpleasant consequences for the results in this paper due to the fact that this (new) condition implies the earlier (erroneously stated) condition. The implication stated in the last sentence is a consequence of Theorem 4.11, whose proof, in turn, uses only the (proposed new) form of the condition that is stated above.

On degree-regular triangulations of torus and Klein bottle

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The article [1] appeared in pages of this journal. This note is a correction to a minor error in Example 2 on page 285 of the article. Though this error has no effect on results and content of other parts of the article, it may lead to serious errors if the expression is used without correction. In the referred example, a series of weakly regular orientable combinatorial 2-manifolds on $2n$ vertices, of Euler characteristic 0, are given as:

$$T_{n,2,k} = \{u_i u_{i+1} v_{i+1}, u_i v_i v_{i+1}, u_{i+k} u_{i+k+1} v_i, u_{i+k+1} v_i v_{i+1} : 1 \leq i \leq n\},$$

where $n \geq 4$ and $k = 1, \dots, (n-3)$, addition in the subscripts being modulo n .

In the text thereafter, $\text{lk}(u_i)$ is presented as “ $\text{lk}(u_i) = C_6(u_{i-1}, v_i, v_{i+1}, u_{i+1}, v_{n+i-k-1}, v_{n+i-k})$ ”. If we substitute $n = 6$, $k = 1$ and $i = 5$ in this expression, we get $\text{lk}(u_5) = C_6(u_4, v_5, v_6, u_6, v_3, v_4)$, whereas, in fact, it should have been $\text{lk}(u_5) = C_6(u_4, v_5, v_6, u_6, v_4, v_3)$ as is also evident by the picture below:

Now, using the expression for $T_{n,2,k}$ one gets the corrected link of u_i as: $\text{lk}(u_i) = C_6(u_{i-1}, v_i, v_{i+1}, u_{i+1}, v_{n+i-k}, v_{n+i-k-1})$.

References

- [1] Datta B and Upadhyay A K, Degree regular triangulations of torus and Klein bottle, *Proc. Indian Acad. Sci. (Math. Sci.)* **115(3)** (2005) 279–307

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