Bull. Austral. Math. Soc. Vol. 69 (2004) [349-349]

CORRIGENDUM: IRREDUCIBLE DECOMPOSITION OF THE MAGNUS REPRESENTATION OF THE TORELLI GROUP

Masaaki Suzuki

Due to a printing error, a significant graph on page 12 was omitted from the paper [1].

LINE 4 ON PAGE 12.

Thus we obtain

$$\det(B_iA_j) = \frac{(1-w_1)^2(1-w_2)^4\cdots(1-w_{g-1})^4(1-w_g)^2}{w_1w_2^2\cdots w_{g-1}^2w_g}$$

and the associated graph can be expressed as



Therefore by virture of Theorem 5.2, the representation $\rho_{B(z,w)}|_{L_g}$ is irreducible. Hence $\rho_{B(z,w)}$ and ρ_B are irreducible.

References

 M. Suzuki, 'Irreducible decomposition of the Magnus representation of the Torelli group', Bull. Austral. Math. Soc. 67 (2003), 1-14.

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Received 25th Setpember, 2003

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349