

Erratum

Conformal Orbifold Theories and Braided Crossed G-Categories

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In the final Remark 4.16 I claimed that the results of its Subsect. 4.3 are in contradiction to what can be derived from certain statements in [2], which in turn follow from [1]. This claim was wrong, being based on an erroneous deduction from the statements in [1, 2]. I regret this mistake. In fact, Bantay has provided me with a convincing argument to the effect that my Corollary 4.15 can also be deduced from the results of his earlier article [1]. His argument relies on the formula [1, Eq. (15)] for the S -matrix of the permutation orbifold, which in turn follows from the character formula [1, Eq. (5)].

In view of the above, the last sentence of the abstract and the penultimate sentence of the introduction should read: “We conclude with some partial results on non-holomorphic orbifolds.”

References

1. Bantay, P.: Characters and modular properties of permutation orbifolds. *Phys. Lett.* **B419**, 175–178 (1998). *Permutation orbifolds.* *Nucl. Phys.* **B633**, 365–378 (2002)
2. Bantay, P.: The kernel of the modular representation and the Galois action in RCFT. *Commun. Math. Phys.* **233**, 423–438 (2003)

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