

ERRATA FOR “THE DISTRIBUTION OF SANDPILE GROUPS OF RANDOM GRAPHS” JAMS 2017

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- (1) (Thanks to Eliot Hodges) In the proof of Corollary 9.2, H_P should be defined as the sum of $H \otimes \mathbb{Z}_p$ for $p \in P$. When H is finite this is the same as what is written, (i.e. $H \otimes \mathbb{Z}_p$ is isomorphic to the Sylow p -subgroup of H). However, if H is infinite then the displayed “if and only if” is false. (In this lemma, we are dealing with groups S that as n goes to infinity, are known to be finite with probability going to 1, so this change does not affect the statement of the corollary, which is true as written, and proven with this correction. However, in more general situations, one might want to also define S_P as the sum of the $S \otimes \mathbb{Z}_p$ for $p \in P$.)
- (2) (Thanks to Gilyoung Cheong) In Lemma 4.2, “Let $\xi \neq 1$ be a b th root of unity” should be replaced by “Let ξ be a primitive b th root of unity.” The given statement is easily seen to be false if ξ is not primitive and the ξ^z are all the same, and the proof uses that ξ^z takes values with the same probabilities that z does. In the paper, the lemma is only applied in the case that ξ is a primitive a th root of unity.

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