Erratum

Sur les automorphismes extérieurs des groupes hyperboliques

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The author thanks Gilles Courtois for noticing that Proposition 2.1 (3) is incorrect as stated.

Firstly, $d(f_i(*_i), *_i)$ should be $d_i(f_i(*_i), *_i)$, where the second $*_i$ is the basepoint in the metric space Y_i.

Secondly, the map from X_∞ to Y_∞ defined by $(x_i)_{i\in\mathbb{N}} \mapsto (f_i(x_i))_{i\in\mathbb{N}}$ gives by passing to the quotient a map f_ω from X_ω to Y_ω only if we assume that $\epsilon = 0$.

When $\epsilon \neq 0$, for every class $x = [(x_i)_{i\in\mathbb{N}}] \in X_\omega$, we choose $(\tilde{x}_i)_{i\in\mathbb{N}} \in X_\infty$ one of its representative. Then we define the map f_ω by asking $f_\omega(x)$ to be the image of the sequence $(f_i(\tilde{x}_i))_{i\in\mathbb{N}}$ (which does belong to Y_∞) by the canonical projection from Y_∞ to Y_ω.

The fact that for every $x = [(x_i)_{i\in\mathbb{N}}] \in X_\omega$ we have $\lim_\omega d_i(x_i, \tilde{x}_i) = 0$ implies that f_ω is indeed a (λ, ϵ)-quasi-isometric map.

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