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Erratum to "Harmonic quasiconformal mappings between $\mathcal{C}^1$ smooth Jordan domains"

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A few small changes have to be made in the paper "Harmonic quasiconformal mappings between $\mathcal{C}^1$ smooth Jordan domains" by David Kalaj (Rev. Mat. Iberoam. **38** (2022), no. 1, 95–111).

(1) The title of Section 3.1 should be replaced by:

3.1. Assume first that f is β-Hölder continuous, where $\beta > \alpha$ is fixed, and prove that the Hölder constant does not depend on f

(2) The first three lines of Section 3.1 should be replaced by:

Since $f = g + \bar{h}$ is β-Hölder continuous, the function $(1-|z|)^{1-\beta}(|h'|+|g'|)$ is bounded, and so the maximum

$$A = \max_{|z|<1}(1-|z|)^{1-\alpha}|i(h'(z)-g'(z))|$$

is attained in a point of the unit disk.

(3) The title of Section 3.2 should be replaced by:

3.2. Let us remove the assumption f is β-Hölder continuous and use an approximation argument

(4) In Section 3.2, in line 16 (from the beginning), instead of "α-Hölder", it should be "$\sqrt{\alpha}$-Hölder"; and the exponent α in lines 18 and 24 (displayed formulas) should be $\alpha^{2/3}$.

(5) In the same subsection, in line 25, instead of "$\Phi^{-1}_{p_j,0}$ is smooth on T_j", it should be "$\Phi^{-1}_{p_j,0}$ is $\alpha^{1/3}$-Hölder continuous on T_j (in view of Corollary 2.3)".

(6) In the last part of the proof of Theorem 1.1 (case (b)), instead of "Theorem 1.4", it should be "Corollary 2.3".

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References

[1] Kalaj, D.: Harmonic quasiconformal mappings between $\mathcal{C}^1$ smooth Jordan domains *Rev. Mat. Iberoam.* **38** (2022), no. 1, 95–111.

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