Errata to
"Multiplicity and the Łojasiewicz exponent"
(Ann. Polon. Math. 73 (2000), 257–267)

by Stanisław Spodzieja (Łódź)

In my article [S], Proposition 1.2 should be replaced by the following.

PROPOSITION 1.2. *Under the above notations*

$$i(f,0) = \alpha \deg_0 f(\Omega),$$

where α is equal to the degree of the $*$-covering $f|_D : D \to f(D)$ for some sufficiently small connected neighbourhood $D \subset \Omega$ of the origin which is a connected component of $f^{-1}(f(D))$. Moreover, α does not depend on the choice of Ω.

In the proof of Proposition 1.2 (page 263, line 13 from below), the sentence

"Thus α is the degree of the covering $f|_D$"

should read

"Let α be the degree of the $*$-covering $f|_D$".

In the proof of Theorem 1.2 (page 264, line 13), the sentence

"Moreover $\alpha = \limsup_{x\to 0} \#(f^{-1}(0) \cap D)$ does not depend on the choice of D and α is the degree of the branched covering $f|_D : D \to f(D)$"

should be replaced by

"Moreover the degree of the $*$-covering $f|_D : D \to f(D)$ does not depend on the choice of D."

References

[D] M. P. Denkowski, *Multiplicity and the pull-back problem*, arXiv:1405.7172 [math.CV].

[S] S. Spodzieja, *Multiplicity and the Łojasiewicz exponent*, Ann. Polon. Math. 73 (2000), 257–267.

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