CORRIGENDUM TO "NONTRIVIAL SOLUTIONS FOR NEUMANN FRACTIONAL p-LAPLACIAN PROBLEMS" [OPUSCULA MATH. 45, NO. 5 (2025), 623–645]

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Abstract. We correct some misprints in [*Nontrivial solutions for Neumann fractional p-Laplacian problems*, Opuscula Math. 45, no. 5 (2025), 623-645].

In [1], make the following changes:

(1) Replace the condition in (H_8) with $F(x,t) \geq 0$ for a.e. $x \in \Omega$ and all $t \in \mathbb{R}$.

(2) In Remark 1.6 replace the definition of f for $|t| \leq 1$ "$|t|^{p-2}t$" with "$|t|^{\mathcal{P}-2}t$ for some $\mathcal{P} > p$", and remove the part of "$+|t|^{p-2}t$" when $|t| \geq 1$ (which does not obviously appear when differentiating F).

(3) In the proof of Theorem 1.5 the two cases are $\lambda < \lambda_1$ and $\lambda_m \leq \lambda < \lambda_{m+1}$, and not $\lambda + 1 < \lambda_1$ and $\lambda_m \leq \lambda + 1 < \lambda_{m+1}$. Consequently, in the last line of the estimate from below of $\Phi(u)$ at page 641 replace the denominator λ_{m+1} with $\lambda_{m+1} + 1$, while the second line of (4.8) is

$$-\frac{\lambda_m + 1}{p} \int_\Omega |u|^p dx - \int_\Omega F(x,u) dx \leq 0.$$

REFERENCES

[1] C. Li, D. Mugnai, T.-J. Zhao, *Nontrivial solutions for Neumann fractional p-Laplacian problems*, Opuscula Math. **45**, no. 5 (2025), 623–645.

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