

Addendum to the paper:

N. Abatangelo, S. Jarohs, and A. Saldaña. Integral representation of solutions to higher-order fractional Dirichlet problems on balls, *Comm. Contemp. Math.* Vol. 20, 08, 2018.

- In Theorem 1.4 the assumption $2s + \beta \notin \mathbb{N}$ is missing, which is needed to guarantee that $u \in C^{2s+\beta}(\Omega)$.

We thank Moritz Kassmann for pointing this out. For counterexamples related to the case $2s + \alpha \in \mathbb{N}$, see

T. Grzywny, M. Kassmann, and L. Lezaj. Remarks on the nonlocal Dirichlet problem.
Preprint available on arXiv:1807.03676, 2018.

In the case $2s + \alpha \in \mathbb{N}$, regularity of solutions can be studied in Hölder-Zygmund spaces C_*^a , see for example

G. Grubb. Local and nonlocal boundary conditions for μ -transmission and fractional elliptic pseudodifferential operators. *Analysis & PDE*, Vol. 7, No. 7, 2014.

We thank Gerd Grubb for this remark.