

CORRECTION TO “A FIXED POINT APPROACH TO HOMOLOGICAL PERTURBATION THEORY”

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ABSTRACT. We correct a formula from which a term was omitted.

In our paper [1], a term was omitted from the “obvious transfer” given at the start of section 6. The formula as given does not construct the differential for SDR-data as it vanishes on the direct summand $\ker f$. For SDR-data, this summand must have zero homology. The formula for the differential ξ should read

$$\xi = \nabla d'f + d_A(1 - \nabla f),$$

that is, ξ on the direct summand $\operatorname{im} \nabla$ is $\nabla d'f$ as given in [1], and is d_A on $\ker f$.

REFERENCES

- [1] D. W. Barnes and L. A. Lambe, *A fixed point approach to homological perturbation theory*, Proc. Amer. Math. Soc. **112** (1991), 881–892. MR **91j**:55019

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