

ERRATUM TO ‘COFIBRATIONS IN THE CATEGORY
OF FRÖLICHER SPACES: PART I’

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(communicated by J. Daniel Christensen)

Abstract

The paper HHA vol. 9(2) (2007) pp. 413–444 contains an error introduced during copyediting. In Definition 2.14, the second commutative diagram needs to be replaced.

1. Correction

Definition 2.14 of [1] should be replaced with the following:

Definition 1.1. A smooth map $i: A \rightarrow X$ is called a smooth cofibration if, corresponding to every commutative diagram of the form

$$\begin{array}{ccccc} A & \xrightarrow{i} & X & \xrightarrow{f} & Z, \\ 0 \times 1_A \downarrow & & & \nearrow G & \\ I \times A & & & & \end{array}$$

there exists a commutative diagram in \mathbb{FRL} of the form

$$\begin{array}{ccccc} X & \xrightarrow{f} & Z & & \\ 0 \times 1_X \downarrow & & \nearrow F & & \uparrow G' \\ I \times X & \xleftarrow{1_I \times i} & I \times A & & \end{array}$$

in which $G': I \times A \rightarrow Z$ is given by $G'(t, a) = G(\alpha_\epsilon(t), a)$ for all $t \in I$ and $a \in A$. The mapping $\alpha_\epsilon: \mathbb{R} \rightarrow \mathbb{R}$, where $0 < \epsilon < \frac{1}{2}$, is a braking function.

The only change is in the second commutative diagram.

Also, on page 414, just before Lemma 1.1, insert the following sentence: “The resulting category of Frölicher spaces and smooth maps is denoted by \mathbb{FRL} .”

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References

- [1] B. Dugmore and P. Ntumba, Cofibrations in the category of Frölicher spaces: Part I, *Homology Homotopy Appl.* **9** (2007), no. 2, 413–444.

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