ERRATUM TO “LEFT-DETERMINED MODEL CATEGORIES AND UNIVERSAL HOMOTOPY THEORIES”

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D.-C. Cisinski [C, 8.3.11 pointed out that Lemma 3.2 in our paper [RT] is false. In fact, he characterized $\text{cof}(I)$ as the class $\text{NMono}$ of all normal monomorphisms. As an example of a non-normal monomorphism he gave

$$\Delta_0 \rightarrow Q,$$

where $Q$ is the coequalizer

$$\Delta_1 \xrightarrow{id} \Delta_1 \xrightarrow{s} Q$$

of $\text{id}_{\Delta_1}$ and the symmetry $s$ interchanging the two points of $\Delta_1$. It means that $Q$ has one point and one non-degenerate edge.

But everything in our paper remains correct when monomorphisms are replaced by normal monomorphisms. In particular, one should put $C=\text{NMono}$ in Theorem 3.4. Our main result, which is Theorem 4.1, remains unchanged.

REFERENCES


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