

ERRATA FOR THE BOOK HOMOLOGICAL THEORY OF REPRESENTATIONS

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The list refers to the version published in 2021 as *Cambridge Studies in Advanced Mathematics 195*.

p. 32, Remark 2.2.7(2)

Exactness of coproducts in \mathcal{A} is needed.

p. 41, Proposition 2.2.26

The stated uniqueness of the functor E is not correct (there are simple counterexamples). The universal property needs to be formulated in the setting of 2-categories (thanks to Julia Sauter).

p. 57 l. 4 and l. 5

ε_x should be ε_X .

p. 57 l. 4

e_C should be ε_C .

p. 92, Lemma 3.4.6 (4)

Exactness of coproducts in $\text{mod } \mathcal{T}$ is needed. This holds when \mathcal{T} is triangulated, because then $\text{mod } \mathcal{T}$ has enough injective objects, cf. Exercise III.2 in Mitchell's book (thanks to Johan de Jong).

p. 171 l. -9 ff.

The category of pseudo-coherent Λ -modules it is the *largest* full exact subcategory $\mathcal{C} \subseteq \text{Mod } \Lambda$ having enough projective objects and satisfying $\text{Proj } \mathcal{C} = \text{proj } \Lambda$.

p. 180 l. -5

It should be $\text{Hom}_{\mathcal{A}}(A, X)$ and $\text{Hom}_{\mathcal{A}}(X, A)$ (thanks to Alexis Langlois-Rémillard).

p. 187, l. 12 and l. 20

$n > 0$ should be $n > 1$ (thanks to Wassilij Gnedin).

p. 188, l. 1

'there exists a primitive cycle' should be 'there exists a vertex with two incoming or two outgoing arrows' (thanks to Wassilij Gnedin).

p. 190 Remark 6.3.2 (4)

$X \in \mathcal{C}$ should be $X \in \mathcal{A}$ (thanks to David Ploog).

p. 335 l. 11

$\mathbf{D}^b(\text{mod } S(\mathbf{p}, \boldsymbol{\lambda}))$ should be $\mathbf{D}^b(\text{mod } C(\mathbf{p}, \boldsymbol{\lambda}))$.

p. 465, Reference [178]

J. E. Roos should be J.-E. Roos (thanks to David Ploog).