ERRATA FOR THE BOOK
HOMOLOGICAL THEORY OF REPRESENTATIONS

HENNING KRAUSE

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 $\operatorname{mod}\mathcal{T}$ is needed. This holds when $\mathcal{T}$ is triangulated, because then $\operatorname{mod}\mathcal{T}$ 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 of $\operatorname{Mod}\Lambda$ containing $\operatorname{proj}\Lambda$ and having enough projective objects.

p. 180 l. -5
It should be $\operatorname{Hom}_{\mathcal{A}}(A,X)$ and $\operatorname{Hom}_{\mathcal{A}}(X,A)$ (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
$\mathbf{D}^b(\operatorname{mod}S(\mathbf{p},\boldsymbol{\lambda}))$ should be $\mathbf{D}^b(\operatorname{mod}C(\mathbf{p},\boldsymbol{\lambda}))$.

p. 465, Reference [178]
J. E. Roos should be J.-E. Roos (thanks to David Ploog).

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