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CORRIGENDUM: HOW COMPLETE ARE CATEGORIES OF ALGEBRAS

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Proposition 1.6 states that the category Alg(P*) is hypercomplete but non-compact. This is true, but the argument for non-compactness must be corrected as follows.

Let **A** be the category of algebras (X, x', x'') where $x', x'' : P^*X \to X$ are operations with $x'(\emptyset) = x''(\emptyset)$, and homomorphisms are mappings which are P*-homomorphisms with respect to both operations. The embedding $E : \mathrm{Alg}(\mathrm{P}^*) \to \mathbf{A}$ with $E(X, x) = (X, x, x)$ preserves colimits, although it is not a left adjoint. In fact, the preservation of colimits $C = \operatorname{colim} D$ is obvious in case C is finite, and for the infinite case the original argument presented in the paper is correct (namely, one of the colimit maps is onto). E is not a left adjoint because given $A = (X, x', x'')$ in **A** with X infinite and $x'(M) \neq x''(M)$ for any $M \neq \emptyset$, then there is no universal arrow into A with respect to E.

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