

Free bicompletion of categories and of ∞ -categories

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Abstract.

Whitman's theory of free lattices can be extended to free bicomplete categories. I will present an extension of this theory to free bicomplete ∞ -categories. The statements and proofs are very similar. The general statement depends on the notion of ∞ -category co-complete with respect to a regular class of small categories introduced by Charles Rezk.