THE UNIVERSAL PROPERTY OF THE EFFECTIVE MODEL STRUCTURE.

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ABSTRACT. In [1], the authors introduced the *effective model structure* on simplicial objects in a countably lextensive category $\mathcal{V}$, with a view torwards new models for homotopy type theory, and a motivation coming from constructive approaches to homotopy theory. In this presentation, I will explain in what way the underlying oo-category of the effective model structure plays the same role of the homotopy theory of spaces, when one changes the base from Sets to $\mathcal{V}$. I will contextualize this in the setting of enriched oo-categories.

REFERENCES

[1] N. Gambino, S. Henry, C. Sattler and K. Szumiło, *The effective model structure and ∞-groupoid objects*, Forum of Mathematics Sigma, 2022, Vol. 10:e34 1–59.