

# Metric categories and their applications

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**Abstract:** We introduce the concept of a measure on a fixed category, namely, a mapping assigning to each morphism a nonnegative real value, satisfying some natural axioms. In case where the category is enriched over metric spaces, the measure is required to be at least uniformly continuous. We show how categories with measures can be used for describing certain generic objects in analysis, geometric topology, and continuous model theory. The talk is partially based on [?].

## References

- [1] Kubiś, W. Metric-enriched categories and approximate Fraïssé limits. Preprint, arXiv:1210.6506.