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"Approximation properties in Lipschitz-free spaces over groups"

We show that $\mathcal{F}(G)$ satisfies the Metric Approximation Property whenever G is a compact group equipped with a compatible invariant metric. We also show that $\mathcal{F}(G)$ admits a Schauder basis whenever G is a finitely generated group equipped with its word metric and satisfying certain additional conditions. Some applications are discussed.

This is a joint work with Michal Doucha.

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