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“Evaluation of Lipschitz-free p -space norm”

In the setting of p -Banach spaces with $p \in (0, 1]$, there is a nonlocally convex analogue of Lipschitz-free spaces, namely the Lipschitz-free p -spaces over p -metric spaces, denoted by $\mathcal{F}_p(M)$, where the case of $p = 1$ corresponds to the classical case of Lipschitz-free spaces.

During my talk I will try to give a gentle introduction to the study of this class of spaces and I will talk also about our recent contribution with Tomáš Raunig, where we found a new finite algorithm for an evaluation of a Lipschitz-free p -space norm in finite-dimensional Lipschitz-free p -spaces. We use this algorithm to obtain certain results connected to the open problem of whether given p -metric spaces $N \subset M$, the canonical embedding of $\mathcal{F}_p(N)$ into $\mathcal{F}_p(M)$ is an isomorphism.
