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## The Lelek fan and the Poulsen simplex as Fraïssé limits

Joint work with Wiesław Kubis

We will describe the Lelek fan and the Poulsen simplex in the Fraïssé-theoretic framework in the context of categories enriched over metric spaces, developed by Kubis, and derive consequences on their universality and homogeneity. We further show, strengthening a result of Kawamura, Oversteegen, and Tymchatyn, that for every two countable dense subsets of end-points of the Lelek fan there exists a homeomorphism of the Lelek fan mapping one set onto the other.