

Lelek fan as an inverse limit of Cantor fans with a single bonding function

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We construct a continuous surjection f on the Cantor fan C such that the dynamical system (C, f) is transitive and the inverse limit of (C, f) is the Lelek fan. In the construction, we use a closed relation on $[0, 1]$.

References

- [1] I. Banič, G. Erceg, J. Kennedy, C. Mouron, V. Nall, Transitive mappings on the Cantor fan, <https://doi.org/10.48550/arXiv.2304.03350>.

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