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## Algebraic ANR and related topics

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(joint work with **Vesko Valov**)

R. Cauty introduced introduced algebraic ANRs and homologically  $lg_G^n$ -metric spaces. They have a parallel similar to one between ordinal ANRs and  $LC^n$ -metric spaces. We are discussing a similarity between some properties of  $LC^n$ -spaces and homologically  $lg_G^n$ -metric spaces. Then we can find some relation between our problems and classical one.

### References

- [1] R. Cauty, *Rétractes absolus de voisinage algébrique*, *Serdica Math. J.* **31**(2005), 309-354.
- [2] A. Koyama, V. Vesko *On homologically locally connected spaces*, *Topology and its Applications*, **260**(2019), 57-69.