

On disjoint π -bases

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Tkachuk and Gruenhage [1] asked whether (consistently) every point of a compact space with countable tightness has a disjoint local π -base. We answer this question in the affirmative from ZFC and present a proof using elementary submodels.

References

- [1] G. Gruenhage and V. Tkachuk. "Discrete selectivity, shrinking properties, and disjoint local π -bases." *Quaestiones Mathematicae* (2023): 1-15.

*This is joint work with Alan Dow (UNC Charlotte).