

TITLE

AUTHOR

Definition. [1] An infinite structure \mathcal{M} of a fixed language L is *pseudofinite* if for all L -sentences φ , $\mathcal{M} \models \varphi$ implies that there is a finite \mathcal{M}_0 such that $\mathcal{M}_0 \models \varphi$. The theory $T = Th(\mathcal{M})$ of the pseudofinite structure \mathcal{M} is called *pseudofinite*.

Theorem 1. [2] *If the number of rays in Γ is even then T is pseudofinite theory.*

Corollary 2. *For any $\mu > 1$, there is a pseudofinite acyclic graph with μ hanging vertices.*

Acknowledgements.

REFERENCES

- [1] Ax, J., *The Elementary Theory of Finite Fields*, *Annals of Mathematics*, 88(2), 239–271, 1968.
<https://doi.org/10.2307/1970573>
- [2] N. D. Markhabatov, *Approximations of Acyclic Graphs*, *Bulletin of Irkutsk State University, Series Mathematics*, 40 (2022), 104–111

AFFILIATION

Email address: email@gmail.com