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*Interaction between cellularity of Alexandroff spaces and entropy of generalized shift maps*

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**Abstract:** In the following text for a discrete finite nonempty set  $K$  and a self-map  $\varphi : X \rightarrow X$  we investigate interaction between different entropies of generalized shift  $\sigma_\varphi : K^X \rightarrow K^X$ ,  $(x_\alpha)_{\alpha \in X} \mapsto (x_{\varphi(\alpha)})_{\alpha \in X}$  and cellularities of some Alexandroff topologies on  $X$ .

**Keywords:** Alexandroff topology; cellularity; functional Alexandroff topological space; infinite anti-orbit number; infinite orbit number

**AMS Subject Classification:** 54C70

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