

Minimal Direct Products and Product-Minimal Spaces

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We call a compact metrizable space Y product-minimal if for every minimal system (X, T) on a metrizable space X there is a minimal map $S: Y \rightarrow Y$ such that the product system $(X \times Y, T \times S)$ is minimal. If such a map S always exists in the class of homeomorphisms then we call Y homeo-product-minimal.

In our talk we will present examples of (homeo-)product-minimal spaces, describe some of their properties and indicate how they can serve as a tool for constructing “strange” minimal spaces.

References

- [1] M. Dirbák, L. Snoha, V. Špitalský: *Minimal direct products*. Preprint. (available as arXiv:2005.06969).